

<210> 513

<211> 893

<212> DNA

<213> Homo sapiens

<400> 513

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gtgtgtttgt	gtgtgtgcac acgcacatgg ttctcatggt cctcccgaaa tcaactgaac	180
ctgtaattag	ctcctcagag accagggttc aagacaacag atgaatttgaa aaagagagca	240
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ccccgcgc	gagttacacag gccagaccac ggttcccgag cacacattaa acctgtacc	420
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gttccggat	ccggacctca gacaaatgtt tggtcaattt ggtaaaatct tagatgttga	660
aattattttt	aatgagcgtt gctcaaaggg atttggtttc gtaactttcg aaaatagtgc	720
cgtgccgga	cagggccaag ggagaaatta cacgggaccg tggtaaaang gcccgtaaaa	780
tcgaggtaaa	taatggcccc acacgtgtaa tgaccaatta aaaagaaccg tcaacccttt	840
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<210> 514

<211> 784

<212> DNA

<213> Homo sapiens

<400> 514

aatgtgtatg	tggcaaaaac atttttaaag tttagaccca aaggccgtag ttataaaaaga	60
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tttaaaatct atcatagtc当地	180
aacagtgtt atattaggca gtttctaaa tgtcttacat gtcttattta atctccacat	240
aattctctga cttaggtgtt attctcattt tatagataag gaatctgaat taaatttaaa	300
aattatttct atattaacaa aagtattaag ctaaaaacta cagagctggt tctagtat	360
ttcaatgtaa atgttaacat aatatgtcta cttattttt tctagatttt cttgccatat	420
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aatctaataat attaagttt ttactaaatt ttttgttatt ggtttttat ctttgcttt	540
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aatatatagt ttacatgcag ggaaatgagt aattgnatg catatatgtat gtagaattct	660
ttactctttt tttccctat aaaattttaa aaatttggtt cctgaatttt ttttctcagn	720
ctttanatga ccttttaaaa gttcccttct ggagacctca agtncaacttc atgcctacat	780
ttca	784

<210> 515

<211> 794

<212> DNA

<213> Homo sapiens

<400> 515

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ccacaaacct tacagattta attagataga taatggatga tgtaaaaac taagcagcat 180
cttaagttta aatttttatt ttatattctt ttctgtcat cattattat gaaaactgg 240
tggaaaatgaa gttaaaagat ttctgtaca tcataagatt ggacagaaaat attatttacc 300
ttaaaacttt ttctgagtaa aaatttaaac ataaaactaga actcagcctg aattttttt 360
taaaccatct ttggaaagcac atataaaagt agagtaaata catcgaatgt agcttaccta 420
ctgcatttga agaaaatctt ttgtgtatgt ctgttaagcta ttgtgtgtt ttgaaacagt 480
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 tttttttt ttggtaaaat agtattttt tttgntcact taaatgaaat tatttgnact 660
 ttaagtttg tccagggaaat tacttcagtt ggagctaatt tattggcacc ctttactaac 720
 aaatttctgg tctggattaa gattagtatt ggaaaaaaaaa ggagatgtt gaaattaaga 780
 aagcncnna aatt 794

<210> 516

<211> 692

<212> DNA

<213> Homo sapiens

<400> 516

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 caggaataga cacaatgctg cccaccctct gcatgcatgt gtgtgctggc atgcacacac 180
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 cacacatgta catagacaca catacacatg tgcacacacc tataggcaga gcccaactct 360
 ttccccctga tgaggttgtg gtggtattaa taatcataat ggnagatgat atttactgaa 420
 tgcttactgt gcatgatatg ttccactgac agtttacat ccattatctt aatcttcaca 480
 gcccctgtg ggataggaag ttggccacat tgcccacatc cagtagccag tgaatagttg 540
 tgcttgagt ttgccctgta ggctgactta tgagccatag cccaaagtac atccccgagaa 600
 cacacaatac ggggagcccc tccttagggg aaaattctt tccaaaatat cacctatac 660
 ctgctcagg gaatactctn tnnggtataa gt 692

<210> 517

<211> 785

<212> DNA

<213> Homo sapiens

<400> 517

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 agattcggga caaggccaca cgcaaggcgcc tcgctgtcct gccctacgag ctgcggttca 180
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 gtttgggg gtgtctcacc taaaacaaga accacagaag gttaaaggta gctcatcgat 360
 tcagcaccca gaaacacccctc tgccacatttc tggttccat ctgcctaca agcctaaacc 420
 cccacaagaa acagaaaaag gacactcagc ttgtgagcct gagaacctgg aatttagttc 480
 cttcatgttc tggagaaaacc ctttgcccaa catcgatcat gaactgcagg agctgctgat 540
 tgacagaggt gaggacgttc caagtgagga ggaggaggag gaagaaaacg gtttgaaga 600
 cagaaaaat gacagcgatg acgacgggggg tggctggata acccccagta acatcaagca 660
 gatccagcag gagctggagc agtgtgacgt ccccgangac gtgcgggttg gctgcctgac 720
 cacagacttc gccatgcana atgttctgct gcaaatgggg ctgcacgtgc tggccgggtgg 780
 aacnng 785

<210> 518

<211> 901

<212> DNA

<213> Homo sapiens

<400> 518

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 aacaccgttgc tggccgctaa ttatgtcgcc agcatctta gtacccagg catgcagagg 180
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 aatagccccgc tggatgttactgc aaatccacag ctgcaggagc agatgcggcc acagctccca 360

gccttcctgc agcagatgca gaatccagac acactatcg ccatgtcaaa cccaagagca 420
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 gaaaccacga gtcatacatc agaatcagga cccaaccagc agttcattca gcaaatggtg 540
 caggccctgg ctggagcaaa tgctccacag ctgccgaatc cagaagtca gattcagcaa 600
 caactggaac agctcaacgc aatgggttc ttaaaccgtg aagcaaactt gcaggcccta 660
 atagcaacag gaggcgacat caatgcagcc attgaaaggc ttcttggctc ccagccatcg 720
 taatcacatt tctgtacctg gaaaaaaaaat gcatcttatt ttttgataat gggttcttaa 780
 atctttaaa cccnccccnc caaaatcggt tctttactt ttcattttg gattctttt 840
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<210> 519

<211> 771

<212> DNA

<213> Homo sapiens

<400> 519

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 ttcaggatg ggaaaatccc ccacacccag cttcatcat ccataatccca gaccacttcc 180
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 ctgttcctgg ctttaccaac tcctggctt cctccagcct tgctgacccc atggctctgg 300
 cctcacttt gttcagtca aggagaaatt gactgctgac cctgacagtg aggtggccac 360
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 gggaaaggag ttgggttag cctgtggact ttgatgaggg ttccctaggaa tactggcgtg 480
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 tagggaagat ggcctgact gtcccttgc gtgcctcac ctgcgccac ctgcagagct 600
 tcgatgctgc ctttatcta cagatgaatg agaagaacct acatggacat gtcctgtgt 660
 tgacaagaag gtccttatg aatctttat cattgatggg tanggccatt tgtttcctc 720

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771

<210> 520

<211> 684

<212> DNA

<213> Homo sapiens

<400> 520

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aacttcacag aagagggaaag tgagatttag aaggcactta aactgcatca tagaagac 120

ttgtttcat taggcttgc ttcaatccg tttcatcata caaaagtgg aaagcaaaac 180

cagactaatt ccaaactctc ttcaactgcat catgctgtt tctaataagc aaatgacttt 240

ttaaattggg attaattatg gagccaccat ttctggcttg tgcttcatt acctcaagtt 300

ctcgattta acatataaaa ttcaaattca gtatattcta attagttata aaacccaaact 360

gctcagttt caaaactccc aaagaatatg ttgaagttt ttccatgca aatgtatctt 420

attgaaatgt caaatcattt aggtgtt atagagatgt agatcatccc acttttgat 480

agatgtgcct tgaatatcta ctgtctaaca aacaataaac acttatcaat aaaggtgat 540

tactggatt gataaaaaca gtcagagaat atacitttta taaaaaacat ttacaaagaa 600

ctcttaaaac tcaacaataa gaacttaaca gatatgcccc aaagaagttt tcngatgacn 660

agtaagattt gaaaaaaaaat gctg 684

<210> 521

<211> 833

<212> DNA

<213> Homo sapiens

<400> 521

aaaaatcatt cattcatcta acaaacttat tgagcaccta tcatgtatca ggtaatattc 60

tagataatga gcatataaga tgtaagcaaa acaaagtcc agtgctaaaa aacaaaagca 120

cattctggta atagatatgt gacaatagac aaaaagatat aatatgttag gtggtaacta 180
tcataaagta aaataccatt taaaaactca ggtgcaaaca tagaaaaatg gaaagagtgc 240
tgctccaacc ttaagaaaac tactgaataa tctataaaat cataactttt cttgagtccc 300
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ttaacgaaag cttcagttg ctgaggaaga tcagcaaacc ctgtcagctt gggcactgc 720
atcttggta gggaaaaat taaaacccac ttacttcctg gnnggttgg acaaggaaac 780
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<210> 522

<211> 696

<212> DNA

<213> Homo sapiens

<400> 522

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gagaagagat gtcagaacac tttccctat attaattcaa tcctgtttt agaattaaac 180
atatagaaga attaaacatt tagaatgaaa catatagaag actgaataga ttaagtgttt 240
ttctctgaag acatatagtt aatactggac aagactaaa aattatattt tggcacat 300
tcttacaggt aaattgcttc tcggatttaa ataagatatt ttctaaaata tattacttc 360
agatcaccag agatttgtt tttgttgtg tatattttt aaagtaattt gcactccagt 420
actctaaact gtgtactaag caaagaaggg ttgtgccttc tgacatatta cactgagttac 480
tcaggataga aaaagtaata atcttatact ggctgggtgc gatggcccat gcctgtaatc 540
caagcacttt gggaggccaa ggcaggtgaa tcacttgagc tcaggagttc gagaccaacc 600

tggcaacat agcaagaccc cgtgtctaca aaaaatacaa aaattagcct gcattgcgn 660
 acacacctgt aatcccagcc attcaggagg ntaang 696

<210> 523

<211> 828

<212> DNA

<213> Homo sapiens

<400> 523

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 gactcctta cacttgaaa aatcagttag aaccctaaac agcttattta tgtgagttat 180
 atgcataaat atttaccatg ttggaaacta aagcagaaac ttttaagaa tggagaaata 240
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 tattgatgtt tagtttatt ttttgtttg taggtgtcaa aatagcattt taaaggcact 360
 gctgaattat tccatcatac tacagtatga atttgtgctt gtcataattt gtgacttata 420
 tgctattgaa atttagcca aactaaatct gtacacaaag ggtgtgtta taagaatgtt 480
 catgggctgg gcacagtggc tcacacctgt aatcccagca ctttcataga cctaggtggg 540
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 cctgttgctt ttgctctgtg atagttgca catcatgtca gctgctccac ctttangctc 660
 aaaaggatt tccctggcac cacccttata gttcccactt tagctggacc acagggaaaa 720
 tatttaacag nctcataatg gtacttcagc ttcataaata ttggAACACC actatggttg 780
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<210> 524

<211> 805

<212> DNA

<213> Homo sapiens

<400> 524

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 caaaagttt atcaactcac ttgttttga tactgaaggt catcatatgt attcaggaga 480
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 agtgcaccac tggactataa ataaggaaat taaagaaact gagtttaagg gaattccaat 600
 aagtttttgc gagatttcatc ccaatggaaa acgtttggta atccataccaa aagacagttac 660
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<210> 525

<211> 788

<212> DNA

<213> Homo sapiens

<400> 525

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 tacaccaccc agaccctgga cactcgacc aggggtcgga ggaggtcaaa gaaacagaat 660
 gtttctactt caaattcagg aagcatgccc aacctacaca aaaggatagt ttgaggaatg 720
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<210> 526

<211> 807

<212> DNA

<213> Homo sapiens

<400> 526
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<210> 527

<211> 828

<212> DNA

<213> Homo sapiens

<400> 527

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 ggtgtccaag ggatagcacc cagcccaact tcagaaagac ttcaggcnag atgtctaacc 780
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<210> 528

<211> 309

<212> DNA

<213> Homo sapiens

<400> 528

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ttaggctgg gtgcggggc ccatgcgt aatcccagta ctttgggagg cccaaagagg 180
 gtgggtcacc tgaggtcagg agtttagagag cagcctgacc aacatagtga aaccatgtct 240
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 nggagggn 309

<210> 529

<211> 860

<212> DNA

<213> Homo sapiens

<400> 529

tataaaccca tatattcacc agttacccca gtaactcctg gtacaccagg aaataccatg 60
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 caagagggat atgacagatc ttcaaccatg ttaacattgg ggccttttag aaattcta 180
 ttaactgaac tgggtctgca agaaataaaag actattggtt atacgagccc taggagtagg 240
 actgaagtca acaggcagtgc tcctggagaa aaggaacctg tgtcagacct tcagcttagg 300
 ctcgatgcag ttgagccaaac tgccctacat aaaaccctgg aaacgcctgc acatgacagg 360
 gctgagccca acagccaaact ggactcgact cactctggac gggcacaat gtattttcc 420
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 ctgacaccct cgcatcagtt ggaggttggaa ggaggcttcc gaataagtga gtcaaagtgc 540
 ctgatgcagg atgataactag aggcatgttt atggaaacaa ctgtgttttg tacttccgaa 600
 gatgggcttg tatctggttt cggacggact gttaatgaca atttgatcga cggaaattgc 660
 acaccccaga atccaccaca aaagaaaaag ggttctctat tagaataccg taagagacaa 720
 cgtgaagcta gggaaaagtgc gctctaagac agagaacttt ccactcanta gtgnatcacc 780
 ccatgcaagt ggaagcttgc agcaacaatg gtgtatggctg tgccagcagt aatgacaatg 840
 gggAACAGGT GGACCACCTT 860

<210> 530

<211> 765

<212> DNA

<213> Homo sapiens

<400> 530

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 gcaatgagat gaacaccgac accttctcga ggagattaac aaagctggaa aggagctggg 660
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<210> 531

<211> 800

<212> DNA

<213> Homo sapiens

<400> 531

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 cagggcagaa taaaacagtg caatatccca gtgacatctt anagaatgca tctggtaat 720
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<210> 532

<211> 606

<212> DNA

<213> Homo sapiens

<400> 532

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 tgggtggcta ccatgtttct gccaatgtt ttggatacat gacgcatcaa ctgtatgaacc 540
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<210> 533

<211> 703

<212> DNA

<213> Homo sapiens

<400> 533

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tctcacagac tgaactgctc	
ccgagaggca cgtggctcca gccggtgtgg acctgggcct	180
ctgctgccc cgtctgccc	
tgtcctcctg cagcattatc ctctgtatcg gagaagtgtat	240
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ggaggcata caaaagctgc tgtggtggt ccagccgtgc	360
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agccagggc cagtnttgac aggnagcat nacgcccaca	660
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<210> 534

<211> 756

<212> DNA

<213> Homo sapiens

<400> 534

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ctccggcaca cactgctgct cctgccagcc	
cttctgagct caggttgggg ggagttggag	180
ccacaaatag atggtcagac ctgggctgag	
cgggcacttc gggagaatga acgccacgcc	240
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ctgagcgtgg gaggggaggc cttctctgga ggcaccagca ctttcactgt cactgcccac 360
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 ctggtgctgg atgcgcagaa ctacccctgg ctcaccaacc acacggtgca acttgcagct 660
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<210> 535

<211> 871

<212> DNA

<213> Homo sapiens

<400> 535

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871

<210> 536

<211> 864

<212> DNA

<213> Homo sapiens

<400> 536

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<210> 537

<211> 773

<212> DNA

<213> Homo sapiens

<400> 537

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 tgacatggta ttcattgtg attttaattt gcattccct gatgataagt gatattgaggc 180
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 ctatataat caagcataacc acttgtgaaa tctgttctga tttttccct gaatctacct 600
 ggagggtctt aatgaatgac tctacttaga cttccccag agaaatgatt acataataat 660
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<210> 538

<211> 856

<212> DNA

<213> Homo sapiens

<400> 538

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<210> 539

<211> 791

<212> DNA

<213> Homo sapiens

<400> 539

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<210> 540

<211> 865

<212> DNA

<213> Homo sapiens

<400> 540

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<210> 541

<211> 562

<212> DNA

<213> Homo sapiens

<400> 541

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<210> 542

<211> 865

<212> DNA

<213> Homo sapiens

〈400〉 542

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<210> 543

<211> 756

<212> DNA

<213> Homo sapiens

<400> 543

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<210> 544

<211> 797

<212> DNA

<213> Homo sapiens

<400> 544

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<210> 545

<211> 808

<212> DNA

<213> Homo sapiens

<400> 545

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<210> 546

<211> 824

<212> DNA

<213> Homo sapiens

<400> 546

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 taatttgctt aatccctgtc ccttaatag cccctcagtg tttaaaatgt gggggaaacat 720
 ctatagtact taaanggacc agggatgaac attaaatcat acctcatggt ggggaatact 780
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<210> 547

<211> 835

<212> DNA

<213> Homo sapiens

<400> 547

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 tcctgtctgc ctccctacctg attttcacct ttgagaaatc tgggttttc aatggtgaga 480
 gcagggaaaca caacgttaag ggctgagtaa acagcaggta ttgtcaggga cggacgcagt 540
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 tgggttcaca cacccacccc ccaaaatgtt actagcaatg atccgcangc aaaaaatact 780
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<210> 548

<211> 803

<212> DNA

<213> Homo sapiens

<400> 548

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 ggagggttcg aagaaaacat ccagggcggg ggctcagctg tgattgacat ggagaacatg 180

gatgataacct caggctctag ctgcgaggat atgggtgagc tgcacatcagcg cctgcgcgag	240
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gagggcaccc tcatggcac acccattggc acctgctcg gctactggct gggagtctca	660
tccttcattt acttcttgc tacctgtgca acgcccagat caccatgctt gcanatgttg	720
gcactgctgg gctatggnct cttggcat ttgcattggc ctggcatca cctataatat	780
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<210> 549

<211> 790

<212> DNA

<213> Homo sapiens

<400> 549

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tgcagttgc agaagctgtt tgctgtggaa gaggagttt aagatgagga tttttgtct	180
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gcctccagca cgcccagtgc tgacagccgt ccatcatgca taggagcagc tcccctaagg	420
cctgtctcta cttccaactg ccttaacagt tcccactcag caactccact gggaaagtctg	480
tccgcaacgc tccactgttc aagcacttca gcctctccaa gctgcttagag ggaccattca	540
gagcagccct caaaatcggtt tcccttgtca gccattccag tctccaagtt cctggtaag	600
tggcaaagct cattaccca gacctngaac tcccaactca agctgttcta ctccctcaag	660

gactagctct ggattatttc ctcggatacc cttacaacag cagcaagttt gttggctttga 720
 ngggcctgaa caagacgaat ttgataaagt cctggcaagc atggaanttg gangaacctg 780
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<210> 550

<211> 753

<212> DNA

<213> Homo sapiens

<400> 550

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 gacatgtaca atgacacatt aaatggcagt acagagaaaa ggagtgcaga attgcctgat 180
 gctgtggac ctattttca gttacaagag aaactttatg tgcctgtaaa agaataccca 240
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 gcagaaaaccg gatgtaaaat catggtccga ggcaaaggct caatgaggga taaaaaaaaag 360
 gagggagcaaa atagaggcaa gcccaattgg gagcatctaa atgaagattt acatgtacta 420
 atcaactgtgg aagatgtca gaacagagca gaaatcaa atgaaagatggc agttgaagaa 480
 gtgaagaaat tattggtacc tgcagcgaaa ggagaagaca gcctgaagaa gatgcagctg 540
 atggagcttgcgattctgaa tggcacctac agagatgccaa acattaaatc accagccctt 600
 gcctttctc ttgcagcaac agcccaggct gctccaagga tcattactgg gcctgcgcgg 660
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<210> 551

<211> 778

<212> DNA

<213> Homo sapiens

<400> 551

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 acTTTcTTat tcattaATTc aacaatatt tattccCTat cacCTTattat tatgcattTC 180
 tataGATGCT agagatAGGG taaataAAAG tatggcaAAA ccAGcaATTa cTTTGCACC 240
 AACCTAATat gATTTTAA gAAATTATA ATTcATTAG AGAAATAGAT gtataAACAA 300
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 TTTCAAACAG CAAAAGCAGA AAATGGAATC TATTGGCTCG CATCCCTACA AATTCCAGGA 480
 ATAGAACTGT GCTAAGGGAC TCAAATAATG TTGTGGGTC TTCATAGCTT ATTCTGGTTT 540
 ATTCTTGCT TTGGGGCCT TGCTTTTC TTCTGAAGAT GGACTCTGAA GTGAATTCTA 600
 CAGCACACTA CCCAGATGCC TTATTTAGAA TCAGACATT GGTTCCCTC AGGTTTGGG 660
 AGTGTGGCT GCTGATGGCT CATAGNTGAG TCTCTTCTG AGACAAAGGG ANGTGTCTCA 720
 CTCAAGTTA TCCCTNCTCC TGAGAATAGC TTGGATCCAA GACTGATCAA TGAGGGAT 778

<210> 552

<211> 761

<212> DNA

<213> Homo sapiens

<400> 552

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 CGAGAAGATC GCGCTGCACA ATCAGAAGCA GGCAGGAGG ACGGCGGCCT TCAGGAGGT 180
 CATGAAGGAC CTGAGCCTGA CGCGGGCCGC GCGGCTCCAG CTCCAGAAAT CCCAGTACCT 240
 GCAACTGGC CCCAGCCGAG GCCAGTACTA TGGCGGGTCC CTGCCAACG TGAACCAGAT 300
 CGGGAGTGGC ACCATGGACC TGCCTTCCA GACCCCTCC CAATCCTCGG GCCTGGACAC 360
 CAGCCGGACC ACCCGGCACC ATGGGCTGGT GGACAGGGTG TACCGGGAGC GTGGCCGGCT 420
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ccctatggc accatgtacc ttcaccacc cgccgacacc agctggagaa ggaccaattc 540
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 gtnccaggac gtgcaccaga aaagagtctt actgttaaca gtccaggaat ggaagagacc 660
 acatcagaag cagacaaaaa ctttccaag caaacattgg acaccaagaa gacngggtcc 720
 aaggncaaa atcctngtaa ggtccccgg aaattaaaca t 761

<210> 553

<211> 734

<212> DNA

<213> Homo sapiens

<400> 553

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 taaggacggt ccgctccctc tagccagctc cgaatcctga tccaggcggg ggccagggc 180
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 gatctcaatg aatggattgc tgtgaacact gtggatttct ttaaccagat caacatgtta 420
 tatggaacta ttacagaatt ctgcactgaa gcaagctgtc cagtcatgtc tgcaggtccg 480
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 ccaaaataca ttgactattt gatgacttgg gttcaagatc agcttgatga tggacttctt 600
 ttcccttcta agattggta gttAACATTG tcgaagtatt ctgtttttt taaaatttt 660
 attttattaa tataaataga gttggggggg gtttgctggg ttggccangt tggncatcaa 720
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<210> 554

<211> 667

<212> DNA

<213> Homo sapiens

<400> 554

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gaaggattga taaaagtct cctgggtct ccgcagatg ccttccagga acagatctt	180
gcatagaata tcagtggtt cctttttgt ttcaaataat ggtcagaaaa tacccagtgt	240
tgactcacca aggcaatcag ctccctttt ccctttttt gttttttttt aacattttat	300
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tgggttcac catgtggcc agatggctt ctatcctg accttgtat ctgcctgcct	540
cagcttccca aagtgcgtgat atgacaggtg tgagccatca gacccagcat ttttttttt	600
aatttaaatt taaattttt tcatttttt gagaggtttt tttgtttt nttgttgnt	660
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<210> 555

<211> 823

<212> DNA

<213> Homo sapiens

<400> 555

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ttgactttaa tatttatggt acggtagtc tccacatctt ccaagttcaa gcttcataac	180
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ggccttccta aggcaggcct ctgaacgatc atttattttt aggaaaaactt ataaaaagtc	300
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atgtcaacat ttaacagatt tgagccttct aaatttaatc cagcatgaat gtcgtttta	420

ctaaaatatt tgctattttc ctcacttagc tggccctta cacaagtcca gttaaatttc 480
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 gctgttacga tctgagttt aaaaatggaa aatgtttcat gtttagaga atgtaaactt 660
 ccacaagggg cagagattgg taatacgttg tccccccagt ggactaaaa cagtaactggc 720
 acatagtaag cactcaataa atagttggtg gaatggantg aatggtaggg aaccctact 780
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<210> 556

<211> 868

<212> DNA

<213> Homo sapiens

<400> 556

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 gggcccccgt cagagcccac ccaccttgg gttcctgttg gacatcgatg gagtgcttgt 180
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 tctcctgtgg atggctgaag ccaaannatgc ccaggttgg acatggcacc ttttctgctt 780
 gtgnctggaa aaccatttac caagaaaaatg gacgggcaaa aggagcttga gataccaagg 840
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<210> 557

<211> 862

<212> DNA

<213> Homo sapiens

<400> 557

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 catccccact gtggtcgggg ttttaccac gcagctcaat agcatccctg gttctgctgc 720
 tgtgcattta gcatggatga cattgaaaaa gtattcaaag gacggttaa gggAACAGAA 780
 aaacttccag attctgtttg ggacagcagt ttcccgaaaga caaagtgcgg aagccaaggc 840
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<210> 558

<211> 862

<212> DNA

<213> Homo sapiens

<400> 558

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agaacttctc ttacaaactt cggtttggga cttdcaggat ctgactaag acaatctgac 240
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tcaatgacag atataattct agtacctggt ttgtgcgggc acctaacatg tttatttattt 780
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<210> 559

<211> 849

<212> DNA

<213> Homo sapiens

<400> 559

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<210> 560

<211> 702

<212> DNA

<213> Homo sapiens

<400> 560

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 agaagatcat ccaataagga tgatttatac agctggccta ctagctcact ctgaagagtg 180
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<210> 561

<211> 856

<212> DNA

<213> Homo sapiens

<400> 561

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gacttcgagg	ctgacgacac	ctgcctggca	cactgctggg	tggtagtgcg	gctggacggc	180
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gtgttgat	ggcanaaggt	ggatgaagt	atgacaaaaa	gaaattaagc	tgccaaacaga	780
aatggaagga	aaaaagatgg	cagtgacccc	ggaccaggac	aaaccagtgc	ccttgnactg	840
ggatatcatc	ggggat					856

<210> 562

<211> 841

<212> DNA

<213> Homo sapiens

<400> 562

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atctcatacg tgtacagcca tttagtgtctc ctttcatact atattatTTT gttcattggc 180
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 aatatttcc aagttcagta tgctgttctg gttataagaa gatcagtgtc ctaatcacac 360
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 gntaaactaa acatggcag aactgcttta agccttgaa tcttgntctt aaagccagg 780
 tgagggatg ggtntaatac ttatatctc ctttcaactt agcttgact agtcattgga 840
 a 841

<210> 563

<211> 777

<212> DNA

<213> Homo sapiens

<400> 563

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 aatacattcc ccaacataca taataattat aaaataatat agtaactgtt aagttatttc 180
 aactgtccaa gtttctggat taggaactt tgtgtaaaat attactcaga tatgggaggc 240
 ttaggctggg attttcagt ttgtcataca gagcatttt aatgatttga atgtagctga 300
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 ccaagaactg ttccctgtta ctctggcagt tagctaattgc catcacattt gaaccttgca 420
 tttaccttt atagccagtg aatctctgtc tgctgtatct taaagaacag ttctgatttc 480
 cctaatggag gaagaattag ctggatact ctcacagtca ctatccctta cagacaactg 540

ctgagttcta gaaggatttc tattctacca acacagtgtc ttagggagac ggactagagg 600
 acaggatgat tagtttagaa attatgcttc tggctagggtt ttaagtttct tgatagcagg 660
 tattacgccg tgctgcaagg ttatggttct ccagatggac accattacat tttttttt 720
 tcataaaaa ctggngtcct ctggagttat gcaatgtata taacctgngt anctggg 777

<210> 564

<211> 753

<212> DNA

<213> Homo sapiens

<400> 564

ctcttggttt ttgttccagc tgagcaattt tcattgccga cagcacaca tacatttagga 60
 taaagcaaat aaacaatgca aggcacttgg agccaggaag tcgcacatcga gactagaaac 120
 acatagttt ctattgacat ttgggaggtt ggctgctaaa taggcgagcc agccaccaaa 180
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 tcatacacaa ttacttgtct tctgtttta aaaactttt tgggaagaca gggcttgct 480
 ctgtgcgcag gctggagtgt ggtggcttga tcttgcactca ctgcagccctc gaccccttgg 540
 gctcaagcca tcctccacc tgagccttcc aagtagctag gaccacaggc gcgcaccacc 600
 atgccttagct aatttttat ttttgtaga gatgggatct cgctatgttgc cccaggctgg 660
 tctcaaactc ctgggctcaa gtgagccaca gtgctgagcc ttgncttctg gnttngtcaa 720
 gcagtaagtc agacaatatt tgccacaata atg 753

<210> 565

<211> 866

<212> DNA

<213> Homo sapiens

<400> 565

taagtcaatc tccagttcct ttgcctcct ggagttcagc aggtgaggct gaaagttcca 60
 agcctcaaaa aatgtggttg gggccaggtg cggggctca ctccctgtaat cctagcagtt 120
 tggaaggctg aggcacatgg accacttagt gtcaagagtt tgagaccagc ctgaccaaca 180
 tggtaaaacc ccatttctac taaaaataac aacagttagc taggcgttgtt ggcacatccc 240
 tgtaattccg gctactcggg aggccgaggg gggagaattt cttgaacccg ggaggtggag 300
 gttgttgtga gctgagattt tgccatttgc ctccagcctg ggctacaaga gccaaactcc 360
 gttttaaaaa aaaaatgtgg ttgcatttc tggcagctt ccctcctcct gaagcagtct 420
 cggagcttgc agccaccctg ttagctcaac agcatcccac atgcattttt accatgctgc 480
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 aacagaaaaat gctcttattt cctctgtcac gaagggtttt ataagagctt tggaaagctt 600
 atgccaggaa ccagggcag agaccaaattt tatattttttt ttcttatatc ggagacagag 660
 tctactctg ccactgaggc tggagtgcag tggatgtgatc atagctact gcagccttga 720
 cctcctangt taaaggcaatc ctccaccc ttccatccat tagctggAAC tacaggcatg 780
 catnaccatg tccagctgtat ttaattttt aangcaggat cttctttt ncccagctga 840
 ctctaattttt ggcttaacaa tcttct 866

<210> 566

<211> 813

<212> DNA

<213> Homo sapiens

<400> 566

tttattaagt ttgcacac taattccctt atagtagcta gaaattttca acatcaaata 60
 ggcatttagt catgttgaaat tgaattttaa gttgaattcc tgtggcttgg gctttttttt 120
 ttataactgt ttgtataaac tttcaactc ctatagctt tacgtctcac tctcagtgag 180
 ctggtaacag aatcttcaca gacaagtggt tgcacattcc atttatttag caatgccctc 240
 tgtgtgttgtt tgtgtgttgtt tgtgtgttgtt gtgtgtatag gttttttt 300

ttagtgatct taaaattca gaaaatagtc ttttagttga acaaacaaat aaatgaaata 360
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 ggctaccaga tggttttaga aactgtcaat ttccaaaata cagaaatctg agagagctc 480
 ataaacaatg tattgcttgc ctgaagatga cagatcccat tgaggaaatg cccctttagt 540
 tggtttagat cattaatgtat actctataaa cataataaga ttaacacgga gaaacaaaat 600
 acctgtgttt gcagtattct ttagttatca gattattgtc tcagttctca aaatgccaaa 660
 tgtgatanga taagtgcag atangaagta cattttaac atctattcag ttagcattaa 720
 tgctcaagtt aaagctgggc tcctaccagg gacataatgg gctcctggtt aacatattta 780
 tgtnggntgg aaaatngga acctgcttgc cag 813

<210> 567

<211> 816

<212> DNA

<213> Homo sapiens

<400> 567

tacatggaga aaggctcaat agaaatgcaa acgtgtgtgc tagaataaaag aagttattgg 60
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 gtcttctact aatctttaaa cattattaag tagtgagaaa tattttct actgatttat 180
 aaatatatcc attttcaca ttcacagtgg gatttgtaaa agcaatcctt ggatttacaa 240
 cctttttttt tttttttta gcaaacaaag ctctcaagtt ggtgatcctc aggtacatc 300
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 caaaggcgag tgggttacaa caataactat accttttgc ttaggagtct ctgcattagt 420
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 gattttcgc tggacttcca catttgggac cagttggctg tcatcagctc tagaaagggt 540
 gtggctgttt tacattggct gtttcctca cattcctcaa gcaggtaagc ttaatcatgt 600
 tctcatattt aagcagaaac tggacttca tttatctatt tacttactgg gtctcctggg 660
 cactaggtac tgtaataaaag aactggagaa atacagtcag atgggaagta gcccctgctg 720
 tcaaggagct tgccatctaa tgggggagac aggcaagtaa accaaagact tcccaggc 780

tatggaagng ccatgattt atgtgacagg gcacan 816

<210> 568

<211> 825

<212> DNA

<213> Homo sapiens

<400> 568

caaaaagtact gaaaagacaa aaaggataga agatcgaggt agtaaaggcc atccacattt 60

taaagggtta tttgtctttt atataattcg tttgcttca gaaaatgttt tagggtaaat 120

gcataagact atgcaataat tttaatcat tagtattaat ggtgtattaa aagttgttgt 180

actttgtctg tgaccttaat ttctgcact gagttaccaa atattccaa ccaggtagtc 240

ttcagatcac ctgatgaaag gaggcaggaa caggaagagg gtgggttaaa cattataaaa 300

atttcacaaa ccatgcctat ttcattttca cttaaaactg caatgttatt tttgggtaa 360

acacaaaagt ttcacttagca tttagttat acatgcttaa aaaaatgtta gatgttagtgg 420

gatttcctt aagcatcaaa tgatcttggg tactttaaaa tacagacact atgccattt 480

agctgctttt tccctagtc tatttatacg ttggcttggtt catctctagt cttctaggag 540

tttaaggaac tggagataag agtaatttg gattccatgt ggaataatgt gctcttatga 600

gagtacggtgc tgctgtctt tgcttagtag cattttgatc cactgtcagt agcccattt 660

tcaatgcctt gctgctgctt ttagatata cttagtctag tgcttaataa gggagttgn 720

ttgggttttc tttaattgg gacaggttaag aagtagttag cataccaaa aatatncatt 780

ggcttacatt ggccaaactt ttgggttata taagtnacac nggtt 825

<210> 569

<211> 800

<212> DNA

<213> Homo sapiens

<400> 569

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 gcttcggaga ctccagacaa tcgcctttg ctcctcgta ggagcactcc tcggagaacg 180
 ggagcttgcg cttctccaca ccgccccggg agctggacgg agggatctcg gggcgagcg 240
 gcacgggaag tggagggagc acgccccata ttagtggcc gggcccggc aggcccagct 300
 caaaaagaggg cagacgcagc gacacttgtg agtactgtgg gaaagtcttc aagaactgt 360
 gcaatctcac tgtccacagg agaagccaca cggcgaaag gccttataaa tgcgagctgt 420
 gcaactatgc ctgtgcccag agtagcaagc tcaccaggca catgaaaacg catggccagg 480
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 aatagaggta tattaatacc ctccttcac tcccacctga caccccttt ttcaccactc 660
 cccttccat cgccttcagc cccactccct gtaggatttt tttctagtc catgtgattt 720
 aaacaaaaca aacaaacnaa cagaagtaac gaaacttaga attntgagag tgcttgcac 780
 cagnacacct gtttttttc 800

<210> 570

<211> 892

<212> DNA

<213> Homo sapiens

<400> 570

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 atgtgacaaa ctcacatcta aatcatcctg aatggggaa agctgaaagc ttttctcta 120
 agaactggaa gaagacaagg atgcctgctt tgaccactcc tgctcagata gtgctggaag 180
 tagttctagc cagagcagtc aggcaagaga atgcaataaa gggcatccaa actggaaaag 240
 aggaagttaa attgttcctc tttcagatg acatgatctt ctatataaaaa aacctaaag 300
 acgtcaccaa aaaacacatt tagaactgat gaataaattc attaaagtga caggatacaa 360
 aatcaacata caaaaatcag tagtgtttct atacaccagt aacaaactag cttaaaaaa 420
 tcaagaaaaaa gccgggtgtg atgcttcatg cctgtaatcc cagcacttta ggaggatgag 480

gtgggtgcat tgcttgagct taggagttt gagaccagcc tggcaacat ggtgaaaccc 540
 tatctctgca aaaaaaaaaaaa aaaaaaaaaaaa aaaaaaatta accagggtgtg gtacacatg 600
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 gcagttagct gtgattacgc tactgcactc cancctgggt gacagagaaa gaccctgtct 720
 cagaaaaaaaa angaaaaatt gagaaagcaa tccctttac gatacgatcc ccccaaaaaa 780
 ctaaaaaaaaacc caggaattaa atctaaccctt ggagggtgaaa gaactntgca atggaaactt 840
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<210> 571

<211> 876

<212> DNA

<213> Homo sapiens

<400> 571

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 caagatataa gagatgcatt tgcttaacat ctctacataa tatttatgtt ctggtcagta 120
 ttggtctggc cagtattgcc tggctgacgt gaaatgtaaa ctagtaggca tggattgtat 180
 ctgctaaaac taaccctctt tttaagagga gatttaagga agacgtcaat caaatgtca 240
 aatatgtgtg tcagaatata aataattttt cacattgtat tggctata taaaaaaaat 300
 aatagaattt gttgggttc tgaggtgaaa tccagagtaa gaggactaga cagttcaaca 360
 agccacatct aatggcacag atagaggatg tagctattttt ataccttca taacatttg 420
 gagtaagata tccttcagga tgtgaagtga ttattaagta ctcataacctg aatctgtt 480
 tcaagattttt aactggggttt catgtttaaa accttccata ttacctgagg gtacctgtgg 540
 ggaacagttc cttccctgt gtggtagtat ttgttgaa gagaatgtttt atacaaaaaa 600
 tggaaattctt ccaacagcag agaaaactcta aaaagttga tagtacccat caaagtgc 660
 tacttctgtg atagagaaca tctgatgtcc aatttagatc tatttctta tacttttct 720
 aaccaattgc ttaatagtac ttggatgtat tatcacctt gccacttaaa atatataaaat 780
 atccctttac ttcatgagga aggaggaatt tttggatac tgagttcagc ctttgggat 840
 acttatattt tggcttaca tttaactttt aaagaa 876

<210> 572

<211> 879

<212> DNA

<213> Homo sapiens

<400> 572

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tttgaagagg aatctctact ttactttta cacttgtct ttgataattt	tttacttgaa	120
aacctcatct tttggcgaaaat ttttttttgc agctatttct ctagtgttgc	tatttgattt	180
aatttctgac cttcattttt gttcccaac cttttttt tgtttgatatagggggttcc	240	
gtgactgagg ttctgagctg ctgttgatgt gctataccctc cttcaattct cagctatcaa	300	
agggaaaaac aactgcagag gatgggaaat gctatactgc catgccttgc aacaccacaa	360	
ggaaaaattac cagtttgag ctgctcaac tgcaagaaaa actgaaggag acagaaggcag	420	
ccatggaaaa attaatcaac agagtggac ctaatggtga gaggataagg gcttctgatt	480	
tccccatgact taggaaacag aattaagact gtttcattca ttgaagatca gaatgccctg	540	
cgtacagtct ggaaaagtaa catgtgccgc ctgaagagac aagagttgt gataagcaga	600	
gcacagactg tgacttctga ccaagagaaa cggttgctac atcagctccg agaaatcacc	660	
agggtcatga aagaaggaaa attcattgac agatttctc cagagaaaga agctgaggag	720	
gccccttaca tggaggactg ggaagggttac cctgaagaga cttacccaat ttatgacctt	780	
tcaaaactgta tcaagcgtag gccagaaaca atcttggngg attaccctga cccaaaagaa	840	
ctttctgctg aanaaatagc tgaagnaatg ggaatgatg	879	

<210> 573

<211> 833

<212> DNA

<213> Homo sapiens

<400> 573

gtgtttcaa ataggagtaa aggcccttgc aattttaat taacaagcaa ggcccaaggg 60
 aacacatgtc ctcaaaagtt ttctgtatcc ctcgccttgc acacctggca tgcacatcaggc 120
 acatctgtcc tacagctggc agagacagat gcctcggttc ttgtcattc agattgcatt 180
 tgaccttcc tcatctattt atttctttat acatccagac ttcatcacat gaaggcttatt 240
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 ctgtctgcgt gtttccacc aaagaatgca aagcagactt ccaggtgttt aaattctgtt 360
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 caccaccag acccttgaa aggaatacta aaatcattac aaggtatgga ttttaatgg 480
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 gtcagatagc cagaagaaat tccattgctg gtttacgaa aattcacttg tctttgcta 600
 ataaacacat ggccctttcc cagattattc tctagccaag cccccacccccc gttacgttga 660
 aatccctcat ttatttctt ctcaaaatgc ccattatcca aatgcagaac ctctgcacatc 720
 ccaagccagt tatgctgaat ttgtcaaact tagacaccct tgacaactgc ctccctactgt 780
 angctccctgg catactgtcg tcttctgtgg gggatnggag angtttagtgt gat 833

<210> 574

<211> 894

<212> DNA

<213> Homo sapiens

<400> 574

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 gtactataga tccttggtgt ccaaaagagt actatgaaga cattaagaag gattttccag 180
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 agggaaatggc agacatgatt gctgactccc taaaggatga cttgtccaaa atgtaaattg 300
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 ggtaaatgtt taatttgaa gactgatatt agaaatgaag aaagtgagaa cctttgtctt 420
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ccataggttt aaccatacat tttccaagac tcagggaaaca cagtgatcta cacagagtct 540
 tgtttgc aagatgcc agtggcacca tatggttat tttggtaggc aggatcttg 600
 cagataaaa aaaaatctac atgtacttga tttaattga gttacatgtt agaataggct 660
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 gagtatagtt agatatgtga agtgtatgag attatgacaa ggatacactc atgttccagg 780
 aacaggaagt gaacctgggt ctccctgtaag acagaagatg aagatgagcc cangctactt 840
 agcacagatc ttggctgaga acatcatggg acgtctaattg acctgcctaa aaaa 894

<210> 575

<211> 861

<212> DNA

<213> Homo sapiens

<400> 575

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 aggtcctggg gtgaaccgag cgctcgctcg ttcgtcagac cgtagcgctc cagcggctgt 120
 ccttactgtg tagtagccaa agctgagggt gatgactgtg aaccagaaca gactgcctcg 180
 ctgaaaagtc acttggact ctctgtggc atctgaagca gatggaccaa gccaaagaggg 240
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 ggtggtgagt ctcaaaggcg aagctgaatg aggcaagaat ctgcatcaaa gagccctgga 360
 agcaatcatg gctcaactgt gatgcctta gaacatgaag tcctccaaga agatgccata 420
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 ggcactggca gtcagtgcta cactgtggcc tgtcagtctc agagccagga tttaatcact 540
 ggatctccca ttaaccagtc ataatgaagt aagaacaaga agatgggaa gaggaagtgt 600
 aaaaccgtgg cttaattta ccaaggataa gctgagtgtt cttcagcagt cattgcaca 660
 gaatccttat cctaattta caaccaggaa aaaactggct ggacagtctc ttgtcctgtg 720
 tttgttaattt ataaactggtt tcaaaataaa agccagacca ccacttagag agagacacag 780
 aatgttcaact ggccaggaa ctgcattgat tcctnttgnc aaangccacc catttaccaa 840
 gaattccagg aaaaaccagg t 861

<210> 576

<211> 889

<212> DNA

<213> Homo sapiens

<400> 576

aaggatgcgg tcccgggttc tgtggggcgc tgcccggtgg ctctggcccc gccgggcccgt 60
 tggcccagcc cgccggcccc ttagctccgg tagcccgccg ctggaggagc tttcacccg 120
 gggcgggccc ttgcggacct tcctcgagcg ccaggcgggg tctgaagccc atttgaaggt 180
 caggaggccc gagttgctgg cggtgatcaa actgctgaac gagaaggagc gggagctgcg 240
 ggagactgag cacttgctgc acggtaaggg tcgggcccgg gggagaggcg tcagagcaca 300
 ttcttgactc ttctgttgc tttccactg cccacactac ccgagtttga aactctttac 360
 tcacttgcag ccgttttat ttggatcag aggtcaggac atcattacgt gctgtgatcc 420
 catcctctcc tgtggctct ctgtgctcc ttgccacgg cgctctgccc cctttacat 480
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 atgatgtcat agaaacatga accngaaaaa tagttaagaa ctttgcaaga caaagaattt 780
 ggattattt tatagaccat ggaaagttac aaatgtttt aagcagagaa ttacgtctt 840
 gtaaanaaaag ttatggtggc atgccttagg ataaatggat atttcaaa 889

<210> 577

<211> 804

<212> DNA

<213> Homo sapiens

<400> 577

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 ctctgttcat gtggatactt ttcacaccgt ttatttaaat gctttctcaa taggtccaga 120
 gccagtgttc ttgtcaacc taaaagtaat ggctctgggt tgggccagac agttgcactc 180
 tctagttgc cctctgccac aaatttgatg tgtgacctt gggcaagtca tttatcttct 240
 ctggccctta gttgcctcat ctgtaaaatg agggagttgg agtagattaa ttattccagc 300
 tctggaattc taagtgacct tggctacctt gcagcagttt tggatttctt ccctatctt 360
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 gatattttat tactgttctt ttatggacaa aagttacat agtatgcct taagacttaa 480
 ttttaaccaa aggcttagca ccaccttagg ggctgcaata aacacttaac gcgcgtgcgc 540
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 aaggcttcg agtcatgaca ttctagctt tgaattgcgt gcacacacac acgcacgcac 660
 acactctggc cagagtttat taaggcttc gagtcatgac attatagctt ttgagttggg 720
 tgtgtgtgac accaccctnc taagtgggt gtgcttggaa tttttttt caangaaaa 780
 tggattggaa aacctggtgg tnaa 804

<210> 578

<211> 893

<212> DNA

<213> Homo sapiens

<400> 578

agcagatgac agtaatccag gcagaagggtt agtgcagag aagtctgtca gtgggtcata 60
 gggctccacg tgcttagcctg ggttccgtg ccagaatttt gttcttggga ggcaggttagg 120
 gaaaagcaag tcaacatctc cagttccaga tgagctaggg cacttgacca aatacaggta 180
 cagaagttag tccttgaggt agagcttacc tggtagggaa catggcagaa atcattgtac 240
 caaaatttggaa gcacaggta gaggctaaag catggcttac tgctgtggct catggtaac 300
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 ttatgttaatc agaggtcaag tggtttagct ggggtggcag agagccaggt gaagactgaa 420
 agtggtaaaa taaggaagag aacagaattt cttagtgc gccttcatga agacaaaccc 480

taatagccaa aggactgaaa gtttgcctaa agagaccta attttgaaa ggaaaatgca 540
 tcttcctt atgttagaat gaccacgtct aaataaaata aactctttg cctttgtt 600
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<210> 579

<211> 892

<212> DNA

<213> Homo sapiens

<400> 579

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 tctccttcat tcctatacac aggtccanac tgatggctt tttttaaaaa tcttttagca 840
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<210> 580

<211> 887

<212> DNA

<213> Homo sapiens

<400> 580

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<210> 581

<211> 801

<212> DNA

<213> Homo sapiens

<400> 581

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<210> 582

<211> 847

<212> DNA

<213> Homo sapiens

<400> 582

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ggtctccagc ttatagatga cagatcatgg gacctcttag cctccataat catgttaagcc . 540
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<210> 583

<211> 825

<212> DNA

<213> Homo sapiens

<400> 583

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 actatcaaca caactaccta ctatctttc tctatctgg aagtagcaaa gatctatctg 180
 agaacaaga agtcgacaga ataacattga tgactttta aataattaat ttatttgaag 240
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 taatttcatt ggagccaaag attttaaaat aaaaataaaa acaaacacac aaataaggca 600
 ccttgcgttt gtttattttc tgcctctga tcacacccca gttaatgagc aaacaaggta 660
 ggtggcaccc atgagcctgc tgtgacattt accacggggc acattctcct aagagtaact 720
 gcaaggaaat gtgtataatg ataaaatgga tcttacttga tttctttaa tgaacattac 780
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<210> 584

〈211〉 902

<212> DNA

<213> Homo sapiens

〈400〉 584

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tg 902

210 585

〈211〉 739

<212> DNA

<213> Homo sapiens

〈400〉 585

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ccctatgggg	ccctgcccc	tggcaggag	ctctcccacc	cggcctccct	cttactgcg	180
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gctgccctct	ccaacggggc	cttggagggc	ctggcagcc	ccacattcaa	ctccggcgcc	360
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tggggccgccc	tgcaccgcag	tcctctgacc	ttcctgcct	gggtccggcc	ccctgaggcc	480
gccccggactc	caggctcaga	caaggagcgg	cctgcggagc	ggagggagcc	ctccatcacc	540
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actcccaagg	cccggtctgg	tgaggagggg	cctcggccaa	ccaaggaatc	tgtcgggta	660
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ccgggttgcgg	gccgnncgca					739

<210> 586

<211> 783

<212> DNA

<213> Homo sapiens

<400> 586

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ttgcctctgg	tttcctcat	cttcgcggat	ttatctacgt	ttggtctttg	atgttggtga	240
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tcgaggtcca	ctccagaccc	tgtttcctg	ggtatcacca	gtggaggctg	cagaacagca	420
aagattgctg	cctgctcctt	cctctggaaag	ttcgtccca	gaggggcacc	tgccggatgc	480
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 gctgaagctg tgcccacagc catcccttc ggcaggtgct ctctnctagg gagaaaggag 720
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<210> 587

<211> 827

<212> DNA

<213> Homo sapiens

<400> 587

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 ggactaccgg aagaaggcca tcaaggaccn tggcatcagc cccagcacct gctcttcga 780
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<210> 588

<211> 379

<212> DNA

<213> Homo sapiens

<400> 588

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 gttttagacc aacctggcca acacagtcaa actccatctc tactaaaaat acaaaaaatt 180
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 gtcggctgg tctccaactc ctgacacctgt gatccaccag cctcagccn ccaaaatgct 360
 gggatcgta gcgngagcc 379

<210> 589

<211> 710

<212> DNA

<213> Homo sapiens

<400> 589

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ctgatccaaa gccgattgt gcctgcttct gggtaatt atttggcang 710

<210> 590

<211> 813

<212> DNA

<213> Homo sapiens

<400> 590

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tttagTTTT taaattaagg tactaagatg aataaattgc atctatacat attgaaatat 180

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catcaccaac ttCATTTAGA gCTTGAATCT tgtaacaata gagattgaaa ataaattgg 300

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tgtCCCTTAA tttaaggaa tgaacaagtc agatggaaga ttTTTACTGA gatcaggaat 420

gaattgagta atttagTTTT CTTTTAAAG ctggggagaa atgagcaaaa tcaaggagaa 480

atATCTGCT ttgatattt attactgatg ctgtgacact ccTTTAATC aatTTTTT 540

aataTGGGTG gcagtatCTC agttAACCA atagTTAAGT aagtagattt ttgtattgna 600

tatagtaaac agtatCCTAA ttgtGCCAA ggagacaagg aattacctaa tggcaaaaa 660

tgcCCTATA ttatttacc tcaaattcag tcacacttga ctgnatCTCC acAAattcag 720

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ggttggcat gangaaactg aatCNTTAAT taa 813

<210> 591

<211> 787

<212> DNA

<213> Homo sapiens

<400> 591

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<210> 592

<211> 805

<212> DNA

<213> Homo sapiens

<400> 592

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<210> 593

<211> 826

<212> DNA

<213> Homo sapiens

<400> 593

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 aagtaatggtaatgaaat tgaccattgn gaatacagaat gggattggtg accaaatnaa 780
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<210> 594

<211> 800

<212> DNA

<213> Homo sapiens

<400> 594

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<210> 595

<211> 803

<212> DNA

<213> Homo sapiens

<400> 595

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<210> 596

<211> 745

<212> DNA

<213> Homo sapiens

<400> 596

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 ccctcaacttgc ctcccttagtgc ctggAACCTT aggttttagag agccactcta ctnccttgaag 660

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<210> 597

<211> 764

<212> DNA

<213> Homo sapiens

<400> 597

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 ccgaccttctt ctggtaaga agattgcattt tggtaggg aaatctgatc gattaaaag 600
 tattatgtct gcactttact tcttccaaat ttaccgtt cttcaagcag ttggggagg 660
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<210> 598

<211> 777

<212> DNA

<213> Homo sapiens

<400> 598

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aggacagcct gaggctggc	cctcacatgc agggctagat	tggccgaacc ctgagaggaa	180
tcgggctggg gccccgggag gggtgatccg aagagctggt	tcccaagggc ccaggtcctg		240
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agtcatcattacc tggcgctgng gaataaccaa gatccctatg	gagatatctg gntacagaca		720
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<210> 599

<211> 819

<212> DNA

<213> Homo sapiens

<400> 599

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actggaaatt aattttgtca gcagtgttga	gttttgaaaa tgcaaactaa gtcaacttac	180
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<210> 600

<211> 760

<212> DNA

<213> Homo sapiens

<400> 600

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 ggggtcatgt atgaagaatt ttgtcttcat acttgaagtc aaaggatgaa aaatttgatc 180
 cctaaagagt tctttcaça atttttaaat ttcaataaaa taaagaatgg taggactgtg 240
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 aatgcagcat tgcaatcttgc gctcaactgca gcctcagcgt cccgggctca agtggattctc 660
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<210> 601

<211> 828

<212> DNA

<213> Homo sapiens

<400> 601

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tttgcgaggt	gctgcagcca	tagtacgtg	cgttcgctac	gaggatttag	cgtctccacc	180
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atcaaagaga	atataaagac	tagttctgtc	ccaagaagaa	ctctgaagat	gattcagcct	300
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gccgcctga	aaaaggagaa	taaagaactg	gcagaagtag	cagaacatgt	acagtatatg	660
gcagagctaa	tagagagact	aatggtgaa	cctctggata	attttgaatc	actggataat	720
caggaatttg	attctgaaga	agaactggtg	aggattctct	aatggaagac	tcagaaattg	780
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<210> 602

<211> 847

<212> DNA

<213> Homo sapiens

<400> 602

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gctacccaaa	agcagttagt	attgattcca	gagtgttga	gggatagtt	tcccagacct	180
gatcagccct	gttacctgt	tgtgatagga	atggtttaa	ctacacctt	acctgatgaa	240
ctcaacttta	gaaggcgaa	gctctatcct	cctgaagata	ccacaagatg	ctttggaata	300

ctgacggcca aaccatacc tcagattcca cacttcctg tgtacacacg ctctggagag 360
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 ttgattacaa gacttcacca gtatataattc tcacatattc ttcggcttga aaaacctgca 480
 ctagaattta aacctacaga cgctgattca gcatactgtg ttctacctct taatgttgtt 540
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 gaagattacc aagatgccgt tatcattcca agatatcgca attttgcata gcctcatcga 720
 ttttatgtan ctgatgtgt aactgatctt accccactta agtaaatttc cttccctga 780
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<210> 603

<211> 798

<212> DNA

<213> Homo sapiens

<400> 603

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 catgcattgag aagctgggtgc ctatattcag ttttattgc ccatatgcct tattgttaggt 180
 acttgttattg agggaaaaac ctatatgtc caggtaggct acagagtcaa agaggcttgt 240
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 gcctttggta gtcagacttt tatgatttgc tgaattataa aatacatgtt aactgtaaac 360
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taattatatac tcatttacta gaatttgaca tgctggcatt cctanctgca agaaaactgng 780
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<210> 604

<211> 725

<212> DNA

<213> Homo sapiens

<400> 604

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<210> 605

<211> 723

<212> DNA

<213> Homo sapiens

<400> 605

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<210> 606

<211> 852

<212> DNA

<213> Homo sapiens

<400> 606

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<210> 607

<211> 868

<212> DNA

<213> Homo sapiens

<400> 607

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<210> 608

<211> 819

<212> DNA

<213> Homo sapiens

<400> 608

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<210> 609

<211> 865

<212> DNA

<213> Homo sapiens

<400> 609

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<210> 610

<211> 825

<212> DNA

<213> Homo sapiens

<400> 610

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<210> 611

<211> 869

<212> DNA

<213> Homo sapiens

<400> 611

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 tatttagtgtt tcttgcata agcaacacag tttttttaa tactagattt ctcattctga 780
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<210> 612

<211> 866

<212> DNA

<213> Homo sapiens

<400> 612

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cggtgttag	cagtcttgt	tggtataaaat	catgccagtg	ctaaagtggaa	tttcgataac	180
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tgaaatggta	gatataccaa	caaaacttca	gactgtaaaaa	ttgccaggat	gcagtttcc	480
ccttgattgg	cgtgtgtgt	tatatggata	aatatatata	tacacacaca	catattactg	540
caatctgtga	ttgcttcate	tgtaaatcag	ttgtaaacct	ttacatattt	gacttaaata	600
actgtaagat	atataatgtac	tacattaaaaa	agtgttgatt	aatagatgaa	atttttaaat	660
taattttta	aaacatgcca	tacattgtat	cacaatgtta	atgtgccaaag	atattggtcc	720
tgtcatgcag	agtataagaa	tgcattgaac	aatttgtaga	cttagtgaaa	taaaataaga	780
ggaaagccaa	aaacaaccaa	ccaaaagcat	atggggagct	gnattttctc	tttaacttac	840
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<210> 613

<211> 684

<212> DNA

<213> Homo sapiens

<400> 613

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ggcagtacca caccctgcag gctggcttca gctctcgctc tcagggcctg agtggggaca 180
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 gctccgcccgt ggatctgagc tgcatcgga ggctgagttc agcccacaat gggggcagcg 300
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 tgtccttcca tgagcgcgtt ggggttggga gccggccga ctatgacaca ctctccctgc 420
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 tggagccgc gcgccaccta cctacaggc cttgcgtac gagcgcagg ccagctccag 540
 ctccagccgg gcagggggc tggactggcc cgaggccact gaggtttccc gagccggacc 600
 atccgtgccc ctgccgtgctg gaccctgcag cgattccaga caagccacccg gaccggnggg 660
 gtangcgggc antgccgggg gccg 684

<210> 614

<211> 716

<212> DNA

<213> Homo sapiens

<400> 614

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 cagcctcctg agtagctggg attacaggca cccgcccacca ccccccgtta atttttgtta 180
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<210> 615

<211> 856

<212> DNA

<213> Homo sapiens

<400> 615

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aaaccaatgt agaaaactgag gagcttggc aaagtgtgtc atttatcggtt ctggggctag	180
ggctgagtca ggtccaagaa ctgacccct ctcagagctg ggacttcatc aaggcttgg	240
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gcaactcagg actcctagga ccagtgagggc ctgtgtatc ataatgaatt atgagtggat	360
ccatctgacc tataacaaat accacccata aacaacactg cggtgctaag caaaaatgcc	420
tgaagaccat agacagagag aatgggattt ttaaagaaac atttataaat agaaatcaaa	480
acatgtgaag ctcagaatga atttgggaaa catgatggga actgggattc actgagcacg	540
tgctgcacta ggtcaagggc agagtgtcag ggtgtggccc aacatcaggc gcatggcctc	600
tccaggccac tctgcactga agcaaattgc gccattctgt atggtgcttgc tgcatacaca	660
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tcatctctgt ggncacatgt ttggtccagg gtctgcaaatt aacattcaact tgttaggacca	780
gtgagagccg acatcctttn tcaggaacaa ggccatccct ggggactgtt ccctggagtc	840
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<210> 616

<211> 781

<212> DNA

<213> Homo sapiens

<400> 616

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tagatgatgt tgaaaacagc atgttgtact ataatcaagc agtcatttt tatcatctgc	120
ggcagtatac agaagccata tcagttggtg aaaaactta tcagttcata gagcctttg	180
aagaaaaatt tgcccaagca gtgtgtttt tgctttaga cctgtatata ttaacctacc	240
aagctgagaa agcttgcattt ctcttgctg tcctagaaaa aatgatttca cagggtaaca	300
ataacaaaaa tggaaagaat gagactggta ataacaacaa caaagatgga tctaattata	360
aagctgaaag tggagctcta atagaagctg caaaatcaaa gatacatcag tacaaagtac	420
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tcatgaaaac aggtgaatgc ttgagatgca tggttgaa taaccttgggt tgcatccatt	660
ttgccatgag caagcacaat ttggaaat tctactttaa aaaggctctg caagagaatg	720
acaatgctgt gcacagctca ntgcaggttag cactgatnca ggtaaaaaaaaan tttcaggaag	780
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<210> 617

<211> 724

<212> DNA

<213> Homo sapiens

<400> 617.

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cgcctcatga tcgagttgtga catgtgccag gactggtttc atggcagttt tggtgggttt	120
gaagaggaga aggctgctga cattgaccc taccactgcc ccaactgtga agtcttgcatt	180
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gatgtgattg atgtgacccg ccaggctgac tgcaagatga agcttggta ttttgtaaa 540
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 accagacttt ctaaccttgt ggagacacccg aagattgttc gaaagctgtc atgggtcgaa 660
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 aatg 724

<210> 618

<211> 768

<212> DNA

<213> Homo sapiens

<400> 618

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 agggacctt gctagctgcc ttttcttcag agagccgtga gctctgtttt gttgctcttt 120
 gtcatgtacg ccagatctt catagttac caggtcactt tagcagccac tacaaaaagt 180
 ttttgctc ctactcgag ccccaactaca tcaaactaca gaaagtggag gtgctgtgt 240
 aactggtaa cgatgagaat gtgcagcagg tgctagagga gcttcgaggg tactgcacgg 300
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 acacagatca atgtgttcag atttaacag agttgctggg tcttcgacaa gagcacatta 420
 ccacagtgtt ggtcagact ttccgagacc tggttgggt gtgtcctcag tgtactgaag 480
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 aggactttgt tgagaatgtg aagtccggaaa catttccagc tggtaagatg gagctgctca 660
 ctgccttgct gcgcctttc ctctcccgac ctgctgagtg ccaggacatg ctaggacgtt 720
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<210> 619

<211> 866

<212> DNA

<213> Homo sapiens

<400> 619

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 atcttctagc aagccgcaga gtagaaagagg ctttggtttt agcaaaagga gcccggagga 180
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 ggactccaca cgctc当地 acca tggat catcgtggat tttcttacctt actgctt当地 780
 cnaggaacta gtgtggc当地 atgctgatgg gtc当地tgc当地tca aaagtgaaga ggtc当地ttca 840
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<210> 620

<211> 855

<212> DNA

<213> Homo sapiens

<400> 620

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 tggaggtttt gatgtccagt tggatcacagt gtagagctt gggagcttta gtttatgt 180
 aagaaaattat ggctggatgg acagcagatg actcaaattt gaatacagct tggccattct 240

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 tgccctactt gagtcctcta gtactccgt aaagaacttg gaatcttgc tagaaaatga 780
 aagggtgatca aggtgattca tacatcttctt ttcatcaatc aacatncaat catttctgg 840
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<210> 621

<211> 758

<212> DNA

<213> Homo sapiens

<400> 621

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 cctaatgttt ctagtaaatg tttctgcaca attctaaaag acaaggatgt ttttaaaccc 180
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 aggaactcag ctccctctcca catccatccc agagtagccc ctgggctctg gaaaccctga 600
 gcatttgg gaaactcagcg ggcctgagtg cccagccct gcggagtgaca cagggctcac 660

ccacatcatg ggcccattacc cagggtaccc agatcaaaaa gangagtgt tcctcttgac 720
 ccctggggct gnatctcctt gntggtgact tcctgggg 758

<210> 622

<211> 764

<212> DNA

<213> Homo sapiens

<400> 622

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 ttggctatga cccaagtctc tcccagggtt tcaggttgac ttggcacctt gaagaatgga 660
 ggcttggccc ccaggatgan gggcctcga aatcatgcca cccacgggg aatgattctg 720
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<210> 623

<211> 800

<212> DNA

<213> Homo sapiens

<400> 623

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<210> 624

<211> 877

<212> DNA

<213> Homo sapiens

<400> 624

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<210> 625

<211> 794

<212> DNA

<213> Homo sapiens

<400> 625

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 tcaggcatat gtgccatata tgacagaaca tcttgcacaa cagtctaat ttgctgcaac 180
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 tactcttagta agaataacat attgaaaca gcagcagcaa tcaattaaat attgntaata 720
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<210> 626

<211> 744

<212> DNA

<213> Homo sapiens

<400> 626

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<210> 627

<211> 895

<212> DNA

<213> Homo sapiens

<400> 627

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 ggc当地 ctc当地 ttc当地 ttgc当地 cgaacgccgt cc当地 gagga ggc当地 cccgc 180

gaccggcgcg atgagtgcc a cgaggacca ggagatggaa ctagaagcat tacgcttat 240
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 aacacctcca attctatcta tgaacgcttt ttttaacaa caccatatca tcagctgtaa 420
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 catcaagtaa gaaaaaaagac aaaaaaaagaa caactttcaa aagcccagaa gcgttagctg 660
 gcagacaaaa cagatcacaa aggagaactt nctcgangct ggaactgggt ttgatgttgt 720
 gaagcattt a gcnnaactg gctctaagga t gatgatgtag cacttggaaat ttgagacaag 780
 gaaagacatt ctttaaagag taaactgggt tcaaaaactt tcattactaa tttctggat 840
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<210> 628

<211> 751

<212> DNA

<213> Homo sapiens

<400> 628

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 aatcagtgaa cctacgttga tacatcatta tttgaagncc atagcttaca ttgggttca 180
 ctcttggat tgnacattca actgcttga caaatgtgta atgacgtgtg tctaccatta 240
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 cacttggtaa tatgtactta agtttctcca tgtcttcattt gtttggatatt tcttcttacc 480
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ttaggtttc atgtggacat tagtttcag ctgattttag taaataccaa gaagcatgat 660
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<210> 629

<211> 734

<212> DNA

<213> Homo sapiens

<400> 629

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 ctttacctct gcattatact ccacaaaacc cgtaatccca gacaatcatg agaaaacatc 180
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 gtctctggga ctacaggagt ctcgctctt cgctgaggct ggcttgcatt ggcacgac 480
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 gaccacgagc atctttcat ctcgnatcc taacagccag caggcacttg gtgaaaaagc 720
 tgntcaacga attt 734

<210> 630

<211> 740

<212> DNA

<213> Homo sapiens

<400> 630

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 agagcagaca ctgcgtatgac aacggacgac acagaagtgc ccgctatgac tctagcaccg 180
 ggccacgccc ctctggaaac tcaaacgctg agcgctgaga cctcttctag ggctcaacc 240
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 gagaccagga gtttcacaaa aacatctccc aacttcatgg tgctgatgc cacctccgtg 360
 gagacatcag ccgccagtgg cagccccgag ggagctggaa tgaccacagt tcagaccatc 420
 acaggcagtg atcccggagga agccatctt gacaccctt gcaccgtatga cagctctgaa 480
 gaggcaaaga cactcacaat ggacatattg acattggctc acacctccac agaagctaag 540
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 cgggcctcag agagcagcgc ctcttccgac ggccccatc cagtcatcac cccgtcacgg 660
 gcctcagaga gcaaccgcct cttcgacgg nccccatnca gtcatcaccc cgtcatgggt 720
 ccccccggat ctgatgnccg 740

<210> 631

<211> 478

<212> DNA

<213> Homo sapiens

<400> 631

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 ccattgctca gctcaaagtg gtacagacca agtatgtgga agccaaggac tgtctgaacg 180
 tgctgaacaa gagcaacgag gacggaattt cgctctgtcg cccaggctgg agcgcaatgg 240
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 ctcccgagta gctgggactt taggtacgac ccaccacgac cggctaattt ttgtattaat 360
 agtggagttg ggggtttcac catgttggcc aggctagtct cgaactcctg acctcgtat 420
 ccgnctgcct cggncncca aagtgttagg attacattac aggctgtgagc cactgccc 478

<210> 632

<211> 724

<212> DNA

<213> Homo sapiens

<400> 632

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 aaggcaaagg agaggtggcg gggcagggtcc acatgttttgcgtt gtaggatgtc atttagctgg 420
 caccatctt ttgcctctt ctttctcctt tgctgcagaa cctttgtgtt aatgaagacg 480
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 ggcacggtag ccactggac cgtgggttag ccgcagggtgg tctgganaga gtgaggcagg 600
 gggtggcagt gactgaagac cattaagtgt cttcataga aagaatggca naggagaccc 660
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 ctgg 724

<210> 633

<211> 677

<212> DNA

<213> Homo sapiens

<400> 633

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gaatgtcttg ttctgaaaaa atagcagtac cagctgagct ttggggaggt gacagattga 180
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 ttgtaaaaat agaggaacct ggctgtctac tacagaacta gaggaaccta gcttagacag 360
 aagctcatcc cacttcagca cctacaacag atttgatacc tttgagcaag attggatact 420
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 tgaatttagta taaaaatgg agccccaaaga agctggntaa atttttagcc ttctgcattt 660
 aagctgtanc ccagctg 677

<210> 634

<211> 817

<212> DNA

<213> Homo sapiens

<400> 634.

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 ttaaactttt tagtagacc cttatctctt ttatagattt tggttccctt tttttatcac 240
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 tatttttaat gttaaaatgt ttgatccatc tgaaatttat ttttgtatat ggtgtaaagat 360
 ggggatccag ctataacatt ttgttcacat tggataccctg attgtgacat ttatTTaaa 420
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 taatTTaaa tcttagcact caagagtctt cgtacatcat tgaaatctt tggctttgg 720

attggaatat tcttcacgt a gtatatacat anctaactga atttatttct aagnattttt 780
 accggittat tcataatttg acattgggga attggnt 817

<210> 635

<211> 794

<212> DNA

<213> Homo sapiens

<400> 635

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 gcaagcagct aatgcttgct tccttaggaac ccataatgaa ttgcatttct aagtacattc 120
 ccgggtttc tgcattgggt acgattgtgt tcgtttcaga agaaatacgc cataaaagca 180
 tgctccact ttaatgttca agttggttca ttttattgggt ctcagtc tgcgtctactt 240
 atgccccatca ggaagagtcc aatcacaagt gcgcaggtaa ctttgaact tgcaacaagc 300
 atgctgtcta ctatcttgg ttatccaaa agtatttgt ctgggtgtcc tcaacatcct 360
 tttctgtcat ttacctcaact tcttaaagat gctctccctc tcagatttct cttgttctct 420
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 gaggtttgac tgtctgggtt ctgtaaaagc tgacaaagtc tccatgctgc ccaacttctc 720
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 atatatgnac tgnt 794

<210> 636

<211> 894

<212> DNA

<213> Homo sapiens

<400> 636

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 agtctgtcat tcagtctgca ggtgtcagtg tttggacaa tgaggcacca ttgtcactta 180
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 atgaggttt acaaagtatt ttggatcaat actccaacaa atcagaaagc cagaaagagg 300
 atccttcaa tattgcagaa ccacgagtgg atttacacac ctcaggagaa cactcagaat 360
 tggttcaaga agaaaatttgc agcccaggca cccaaacacc ttcaaattgtat aaagcaagta 420
 tggcaaga atactccaaa tacctccaac aggctttga aaaatccact aatgcaagtt 480
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 atctcagaaa ttgactagcc agaaggacca gaaaacttan agcttcacag gctttcagat 840
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<210> 637

<211> 904

<212> DNA

<213> Homo sapiens

<400> 637

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 aaaattactt aataaattaa gcttttaaa gaagtgaaag aattatatcc agaaccacaca 120
 gctcttaaat attctatttc aataaaaaaca atttctatac aattgcggtg aaacttattt 180
 ttggcaataa ctctccgta agttatgaac atttctttg ataaatttt tactaggtat 240
 ataagttcct ttattgggtt tttggatgac agcaaattgac tttccataag gcagatgttag 300
 attttattca cacaactttt caggagtagc tttatgttaa tatgttagga ctgtccttcc 360

ttgagctta cagttAACCA atgaaAGTGA gttATTTAG ggaATGGTTA gattGGACA 420
 tggaccaaaa ttagTTTCT aatgagtGGT gttaAGATG tgtaACTACT attacAGAGA 480
 taatgtAAAT ggcTTCTAC ttttAATTc tctgattCTG atcttGTTT gtagtaAGAA 540
 aggctcAGTA tgaATTGAG gtacttaACT aacttGTTAC agtGGTGGTC agtgaAGAAA 600
 gattCTATCG ggcAGGACTC tctGGATGC atgtGTcAGA agcccAGCCC aaattGGCCT 660
 cagcAGAAAA caaaACATAG cgAAAAGCAA atgacaATTc attGGCTAAA gcaatGGAAA 720
 aataccAGGG atatCTAGCT tgAGACTCAG ctagAGCCAA atattCAAAT ctggGCATNC 780
 aacattGGAT tggGCTCTT caatttACCT tagctGGGCT aaacACTGGT ggcttGGTTT 840
 tggGGCACGT tcttnnAA acatGGGGGA aaagtGGCCC ctaacACCgg ccaAAAtGG 900
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<210> 638

<211> 895

<212> DNA

<213> Homo sapiens

<400> 638

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 tcTTcGCTTT gttGTTcat ttGCTATGCA gaAGCTTTT agcccATTGT aattCCATT 180
 tcCTATATTt gCTTTGTTG ctTGTGCTT gtagGTCTTA cccAAAAAAT ctTGACCCAG 240
 gccaATGTCC tataACGTtT ctccaATATT ttCTTCTAGT agTTTATAG tttCTTCCt 300
 gactGTGcAG ggactTGCTG ggAGACGCAA gcCTCTCTGA gccaACAAGA CCTGGTCCCC 360
 cagtGTTGGC ctGACAGCAA CCTCCTCAGG ggcccAGTCT cagCTCCAAC cattCTACTG 420
 cattCCATCT gtGCTGAAAC ctGCTGGGAG acatGcacca gcctGAGGCC aggAGAAAGG 480
 ggtCTCCTT ttGGTTTAG AAAAGAGAGG gagAGGATAc tgTTTCTGA gtactGACTT 540
 tGATGAGGTG ccaAGCAACC ttGAAAGCT gCTCATCTGT ctCATCTGT gtcACATGTC 600
 aAGAGTTCC`cactTTGCA ctAGGTGTTT gtagcattAA cctaAGTCCT ttggATTGCC 660
 taataACACT agacCTGAAG cagtGAATA gacttATGAT tatGTTTC tattAAAGAA 720

ccttagataacc tatctgaaat gtaataagtt tgcaagttcc caatttaatt tactattcat 780
 accttaaatt agttaggaag actggaaagaa gttaaatgc aactactgac ctnattcaa 840
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<210> 639

<211> 855

<212> DNA

<213> Homo sapiens

<400> 639

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 aattccaga actgtccctca aatagctcat ttatthaat tttgttaaaa agcaaaaagcg 180
 aattgattac atttgattaa ctttcctat tccatgcaca agttacctta aaacatgata 240
 aaaaccttat gggcattacc tatcacacag tacttatgca taaacttata atagtaaaat 300
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 aatatatctt aagtcagttt tttaatgct gtcaaaattt gtagaatttt ctttgagtat 660
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 ctttcacaga tctaaatatt tagatctctt tgnctttct catgaaatac ggggatcaa 840
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<210> 640

<211> 837

<212> DNA

<213> Homo sapiens

<400> 640

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<210> 641

<211> 893

<212> DNA

<213> Homo sapiens

<400> 641

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 tacatccttc tcatcacctg gtttaattt gtttctgctc 540
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<210> 642

<211> 898

<212> DNA

<213> Homo sapiens

<400> 642

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<210> 643

<211> 744

<212> DNA

<213> Homo sapiens

<400> 643

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 nagatgtgtat atgatttcaa aggttaacacc tgtttgggtt ctnaanggca tgccaagtcc 720
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<210> 644

<211> 755

<212> DNA

<213> Homo sapiens

<400> 644

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<210> 645

<211> 733

<212> DNA

<213> Homo sapiens

<400> 645

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<210> 646

<211> 789

<212> DNA

<213> Homo sapiens

<400> 646

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<210> 647

<211> 792

<212> DNA

<213> Homo sapiens

<400> 647

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gatgctttgc	ttagtgactc acacagttcc cagggactct	gctctatgag agagaatgag	180	
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<210> 648

<211> 847

<212> DNA

<213> Homo sapiens

<400> 648

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aatgacatat ctaaagatac gtaacagcta	aaattctgcc	agtgagaaaat tttcctgtt	180
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 ttggaattgg gtggtaattt ctggtaactgg ctttgctaga atcatatggc ataaatnacc 780
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<210> 649

<211> 761

<212> DNA

<213> Homo sapiens

<400> 649

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aatttcagc attttgcac tgatattatc ctcatctca tggatattatc tacccttgan 720
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<210> 650

<211> 779

<212> DNA

<213> Homo sapiens

<400> 650

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 gaaaaaggcaa aacttaggaaa ggaaccagta ttgccccgag agaataaagg taccttcng 720
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<210> 651

<211> 861

<212> DNA

<213> Homo sapiens

<400> 651

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 ttttangaa ccatcaaacg ttcttcaag ggaaatatca atggccttg ttgggtccca 840
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<210> 652

<211> 726

<212> DNA

<213> Homo sapiens.

<400> 652

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 gcttaa 726

<210> 653

<211> 646

<212> DNA

<213> Homo sapiens

<400> 653

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<210> 654

<211> 735

<212> DNA

<213> Homo sapiens

<400> 654

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<210> 655

<211> 910

<212> DNA

<213> Homo sapiens

<400> 655

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<210> 656

<211> 784

<212> DNA

<213> Homo sapiens

<400> 656

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784

<210> 657

<211> 875

<212> DNA

<213> Homo sapiens

<400> 657

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<210> 658

<211> 815

<212> DNA

<213> Homo sapiens

<400> 658

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<210> 659

<211> 923

<212> DNA

<213> Homo sapiens

<400> 659

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<210> 660

<211> 808

<212> DNA

<213> Homo sapiens

<400> 660

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 aagcgcctt atgtgggtgg ccttagccag gacatttctg aggtagacact aaaaaatcag 300
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 agagtcttac ctggtcttca cctaaaaat caacataaac gtaaaatcat caaatatgtat 720
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<210> 661

<211> 746

<212> DNA

<213> Homo sapiens

<400> 661

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 gtgtttggag aactgctgga catgccaaat gtttagagagc tggctgagag tgactttgcc 360
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 cgtggctccc tggaccagcg caaccagcgg ctcgagggtt actacagcat cgggcgggac 660
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<210> 662

<211> 864

<212> DNA

<213> Homo sapiens

<400> 662

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 ttaagtgtatc tcagtgaaac atgtcaaatg ccttaaatta actaagtgg tgaataaaag 240
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 cccaaactctt agaaaatgaa aaggaaatnt agaaatataa aatttgctta ttatagacac 720
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 ggtttaata gtggttanat ggaa 864

<210> 663

<211> 872

<212> DNA

<213> Homo sapiens

<400> 663

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 agattttcca gattaaaacc atttggtaa atcatcaaag agatgttaat cctgcttttag 180
 cattgatgca aagttaaaat aactgacatt aaaaaatca tttgggaagc tttattgaat 240
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 gtatttgaac tttaatggc tggtggnpta ctctccttag acacattaa aactttaagc 840
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<210> 664

<211> 873

<212> DNA

<213> Homo sapiens

<400> 664

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 taattgaaaa tgaaacttcc ccatctattt ctaatttattt aatggtcaca gagctatgtt 180
 tattactgaa gctaaatgtt acaactatga aatgtataat tgccactctg aagtctaaac 240
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 tgttttcta tgcatttaaa ttcttatcat accaagaagg cagtgattaa gagctcagtt 540
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 ctatcttgct tacttagttaa tatgagcatc tttctatgnc atgaacatct ttatatggtg 840
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<210> 665

<211> 871

<212> DNA

<213> Homo sapiens

<400> 665

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 aatcatggtc aaggtgttagg tcactccaca cagctgatgc tcaggttatt cccttgtgag 240
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 tcaggagtgt aattatttc ctttacccca atcctgngna cgtgtgggt atagttccac 840
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<210> 666

<211> 872

<212> DNA

<213> Homo sapiens

<400> 666

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 atgctgncc gttcccacac aagcccttct ttttctctgg tcccgaaaca ctggttgctt 840
 ctggtaactga gaaggcaatc tggtaaagg aa 872

<210> 667

<211> 870

<212> DNA

<213> Homo sapiens

<400> 667

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cccttctcaa tcatacgcaa taaaatcctg ctttctttc ctcagaacta ctatattcag 480
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 cattgatggg aatgttggta ctacttacc aaatcttcaa gggattcaga aacagccaag 840
 ccttctgtaa tggcatcaga aagcctggag 870

<210> 668

<211> 693

<212> DNA

<213> Homo sapiens

<400> 668

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 gcggtgattt gagggggcaag gtgttttagag atactcgctc gctggggaaan gggggaggga 660
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<210> 669

<211> 817

<212> DNA

<213> Homo sapiens

<400> 669

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<210> 670

<211> 667

<212> DNA

<213> Homo sapiens

<400> 670

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 cgtacgcgat cgcncgggaa cagcgctact acggcttgg tngcacagtg tacccggagg 660
 agcacan 667

<210> 671

<211> 687

<212> DNA

<213> Homo sapiens

<400> 671

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 ggacgtggca agcgcaggc ggcgttgggt aaacacttgt gtnctncacc cttcagactg 660
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<210> 672

<211> 812

<212> DNA

<213> Homo sapiens

<400> 672

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<210> 673

<211> 882

<212> DNA

<213> Homo sapiens

<400> 673

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 cgaaaattac agctgttttg gaggatacgt tctaaaaat attacttga aggaaaatct 780
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<210> 674

<211> 897

<212> DNA

<213> Homo sapiens

<400> 674

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<210> 675

<211> 838

<212> DNA

<213> Homo sapiens

<400> 675

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 tgaggatagt ttatatgtctt aaatcatttta gaacagtatc tggcatagag tgcatactct 720
 tcaaatagtttt ggtgaataag taaataaacc cactggtcat gtgcacccctn accccagtag 780
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<210> 676

<211> 541

<212> DNA

<213> Homo sapiens

<400> 676

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 ctggcgaca gaccgagact ccatctaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180
 aaatatatat atatatatat atatatatat gtataggctg ggtgcagtgg ctattcagag 240
 gctcactcat tgtgcgcatg gtgcattatgg tgcctggaat agctggcact acaggcatgt 300
 gttctgtgcc agntcaagtc ttcaattttt cttcaaatct ttaactttt aattgtgaaa 360
 tataactgtta tgcagaaaaac tgcataaaac acaaaggta tgaataacaa ataattataa 420
 agtgacatct gggtaataa ctagaccaca gtcagacccc tgaagctccc tctgtgtcta 480
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 t 541

<210> 677

<211> 639

<212> DNA

<213> Homo sapiens

<400> 677

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 ggtcccgcc ctcttgcgtt tcttgccacc atcttcctac ccagcttgggt gacccctcc 180
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 cgtgatcacc cacgctgatt cctgctttt ggggtgttagc tggcgccag ggttggggag 360
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gggggacttg aagcccagct tctattccca gcctgccag gggagccctt tctcctgggg 480
 ggcctagtag gaccctgtgg gcacgttggg gaggagccta caggcgccctc agctgcacgg 540
 gagtgtgttt gcatccagca gtttgggcccc ccggccggtg gcgtctcacc tgcacgttag 600
 gctgtgtgat gcttgcaggc atctnggtgg gganggtgg 639

<210> 678

<211> 726

<212> DNA

<213> Homo sapiens

<400> 678

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 tgaaaatgcc ctcttacgt ctatccagtc cttacaatct gagtctgagc ccctgagcct 180
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 tagctatccc tgtgcagcac cccggcctgg agctcctgag accaccggcc tgcattgggg 660
 ctttcagagg cgctacggtg gcatnacaga tccttggcac antggccag gggtnccctt 720
 tcattt 726

<210> 679

<211> 893

<212> DNA

<213> Homo sapiens

<400> 679

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tagaggtggc atatgatcgc atatgtatac atatataat atatataat atgccactta 180
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atgatggact taaatgtaaa atgtaaaaca tagtatttt taaaatgggaa gaaaatctt 840
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<210> 680

<211> 731

<212> DNA

<213> Homo sapiens

<400> 680

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tattttatttttttagagg cagtagtctcg ctctgtcacc caggcaggag tgcagtggca 180
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 gtgtgagagc gaatgataag agggtaatc tggatganga gggacttcca gggcacaggt 660
 ggaggagagg cattgcagcc atagagaggc ccaagggAAC agtcnagaca aggccccgac 720
 agtggncaa a 731

<210> 681

<211> 751

<212> DNA

<213> Homo sapiens

<400> 681

atcatggcgt caatgcagaa acgactacag aaagaactgt tggcttgc aatgaccca 60
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 gacatggaaag gtgcaccagg taccttat gaagggaaa aattcaact tctattttaa 180
 ttttagtagtc gatatccctt tgactctcct caggtcatgt ttactggta aatattcct 240
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 cgtgtgcatt ctggcgcat gttgatcgct gttcagtcc aggcaactga catgcttt 660
 ttagtcatac agtattaatg caggtgtcan gaaatgtcaa atataattcc attttttatt 720
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<210> 682

<211> 798

<212> DNA

<213> Homo sapiens

<400> 682

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 tgcgcccagc tccccgttaa ttgtatgctg aacaaacctt ccattccagg aacaaatccc 180
 acttggtcgt ggcttataat cctttcata tgctgaattt gatttgctag tattttgttg 240
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 cttaatcttag ctaaggattt gtcaatttgg gttgatctt tcaaagaacc aacttttaa 780
 tttngntgg ntggattt 798

<210> 683

<211> 854

<212> DNA

<213> Homo sapiens

<400> 683

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gagactctta gattgtacta tttgcttaat agattaatga aatttatcag atacaacctg 180
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 tactgtttt tctactttca gaaaagattc tgttgtttg gttttggca tctttcttat 300
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 gnttgacct acaacttaag tggAACCTTA atctaattat ttccccccga aatttcttgg 840
 gttcccnnntt taag 854

<210> 684

<211> 868

<212> DNA

<213> Homo sapiens

<400> 684

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 gcaaggaaaa aggtttggag tagggggatt tcagtttaa acagtatgtat cagggtggtt 120
 tcattgagaa ggtgatagct gagcaaagac ctggagtgtc ccaggcagag agaacagcaa 180
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 gtgtcttgct ctgttgccca ggctggagca cagtggtgca atcacagctc actgcagcct 300
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 cgctcatggg ttataacact tcataattac acaggcctt gnngcataat ttgatgactg 840
 ctggcttctn ctttgggtat taaaactt 868

<210> 685

<211> 713

<212> DNA

<213> Homo sapiens

<400> 685

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<210> 686

<211> 842

<212> DNA

<213> Homo sapiens

<400> 686

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 aaaaaaccaa ccnnccaaag gaagccaata cagcttttgc agaaaagatc cagtcattaa 840
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<210> 687

<211> 918

<212> DNA

<213> Homo sapiens

<400> 687

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 gaaaatactt ggaaaatggt nctcaatggc actacccat catantggg ctggtgaaa 900
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<210> 688

<211> 860

<212> DNA

<213> Homo sapiens

<400> 688

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<210> 689

<211> 784

<212> DNA

<213> Homo sapiens

<400> 689

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<210> 690

<211> 911

<212> DNA

<213> Homo sapiens

<400> 690

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<210> 691

<211> 910

<212> DNA

<213> Homo sapiens

<400> 691

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<210> 692

<211> 756

<212> DNA

<213> Homo sapiens

<400> 692

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<210> 693.

<211> 733

<212> DNA

<213> Homo sapiens

<400> 693

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<210> 694

<211> 745

<212> DNA

<213> Homo sapiens

<400> 694

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 ctgcaggtta aacaggttgg ttggttctga tttgactgcc ctttcaagga cctatggntg 720
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<210> 695

<211> 846

<212> DNA

<213> Homo sapiens

<400> 695

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 caccttaaaa tattactact gggttattaa tcctgctgac agtagtggca ttacacctaa 180
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<210> 696

<211> 600

<212> DNA

<213> Homo sapiens

<400> 696

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 gactgccccaa aaggcagtttttttttttata cttaagttc tgggtacat 180
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<210> 697

<211> 788

<212> DNA

<213> Homo sapiens

<400> 697

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tcaatgactt atacttatta ttctcaattc atattatatc atattatact cattgaaaat	180
aagccatata cttatttagag acttatttag agtcttatta gagacttatt aagagtctct	240
aataagtata tgggttgtca agctagacac aaaatagtac catctctctc cacctctcta	300
aagaggacca catcatctcc aaatgtaaat agacaagaac aaaaaaaatt gtgcatttac	360
taggcaattt aatgttctcc aaaccaaatat tccttgaac aaaatgagtt tgtttgattt	420
gagaacaatg aagtatttgg ctatttata atcataagtg attcataaccc ccacacactt	480
agccctctag aaatggtgcc agaagatgaa acacattaa ttttgcata tagaagcatt	540
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<210> 698

<211> 785

<212> DNA

<213> Homo sapiens

<400> 698

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<210> 699

<211> 784

<212> DNA

<213> Homo sapiens

<400> 699

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 aagacacaga catattggat tggAACCTAG CCTAATGACT CCAAGTTGAT CATCAGCAAT 540
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 ttgatttagt ttaatacatt ttcagagtac ttatattct cagggcttag aataagacaa 720

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<210> 700

<211> 787

<212> DNA

<213> Homo sapiens

<400> 700

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<210> 701

<211> 514

<212> DNA

<213> Homo sapiens

<400> 701

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<210> 702

<211> 765

<212> DNA

<213> Homo sapiens

<400> 702

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aatgttccag gcaccccgaa cagggcgctt ttggggcctt ttacc 765

<210> 703

<211> 785

<212> DNA

<213> Homo sapiens

<400> 703

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gtcacaccca gtggctgcat tgcagccct gagctcctgc tgcaccgtgt gtcctgctgc 720

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<210> 704

<211> 783

<212> DNA

<213> Homo sapiens

<400> 704

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<210> 705

<211> 815

<212> DNA

<213> Homo sapiens

<400> 705

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<210> 706

<211> 808

<212> DNA

<213> Homo sapiens

<400> 706

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<210> 707

<211> 803

<212> DNA

<213> Homo sapiens

<400> 707

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<210> 708

<211> 799

<212> DNA

<213> Homo sapiens

<400> 708

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<211> 799

<212> DNA

<213> Homo sapiens

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gacatattta tggagtacat gtgaagttt gntatatgca taaaatgtgt aatgatcaag 720
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<210> 710

<211> 805

<212> DNA

<213> Homo sapiens

<400> 710

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<210> 711

<211> 800

<212> DNA

<213> Homo sapiens

<400> 711

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<210> 712

<211> 797

<212> DNA

<213> Homo sapiens

<400> 712

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 gattcccatt gctgccca 797

<210> 713

<211> 818

<212> DNA

<213> Homo sapiens

<400> 713

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 gtgcattccc tccaaaattt ttaaatttaa tgacatttt cacgaaagca gaaaaataaa 180
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<210> 714

<211> 822

<212> DNA

<213> Homo sapiens

<400> 714

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 cggccatgga aggtaatggc cccgctgctg tccactacca gccggccagc ccccgccgg 180
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 ggtttggcag taaaaactgc tgaacttggt ctcaagatgt ggaactgtgg agaaattcta 780
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<210> 715

<211> 820

<212> DNA

<213> Homo sapiens

<400> 715

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<210> 716

<211> 816

<212> DNA

<213> Homo sapiens

<400> 716

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 gtacacccag tccccctacc tggaaatca caacccatt aagagctcag ctatcttaag 180
 tcctatttcc tcatgaagtc taactcaact gctgcaactt ccgagtagca attaaatcag 240
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<210> 717

<211> 777

<212> DNA

<213> Homo sapiens

<400> 717

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<210> 718

<211> 819

<212> DNA

<213> Homo sapiens

<400> 718

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 ttcctgtctt aaaagaaaaga gaaacttcc cccacactga gttccttc tggactatct 180
 taacgcttct gtcctggtgg gttccagtgc tcagtttaa tacagccatc cctgtgattc 240
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<210> 719

<211> 818

<212> DNA

<213> Homo sapiens

<400> 719

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 aaaaacatac aagatgttgg ttttatcctc aatctttat tcttaatcct gaacaaatta 720
 cataaaaaaa tcgttcatgg agttttctt catataaaac ttttacaat gaacataaaag 780
 ggcatactat ttcttttt taaaaagaa cctagaat 818

<210> 720

<211> 819

<212> DNA

<213> Homo sapiens

<400> 720

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ttccattagt gaattttaa gtttggctag atcaaaaacc 819

<210> 721

<211> 825

<212> DNA

<213> Homo sapiens

<400> 721

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agagctttat ctactccctg aaacagatgc tgctgaacgt ggaggcgaac tcggcgaagg 180

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<210> 722

<211> 818

<212> DNA

<213> Homo sapiens

<400> 722

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 aatgtatata cttttttt gaagagtgga gagtagtgat gtctagaggg agctatTTG 180
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 cttaatcagg aaaggatata ttaactttca taaaaatatt tttggtn gaaataggtn 780
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<210> 723

<211> 818

<212> DNA

<213> Homo sapiens

<400> 723

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<210> 724

<211> 825

<212> DNA

<213> Homo sapiens

<400> 724

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<210> 725

<211> 820

<212> DNA

<213> Homo sapiens

<400> 725

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<210> 726

<211> 643

<212> DNA

<213> Homo sapiens

<400> 726

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 tggcccccac tcctccatga ggggctgatg aggggtggc agcctgggg aggctttcct 180

cgcaagcaca gagctcttag gctcagcccc ctggcacagg cggtcacgca tcaggacgg 240
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 atgctgtcag tgccgcaggt gcatcacata cttctagcat cctctccacc ctgcattcca 600
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<210> 727

<211> 734

<212> DNA

<213> Homo sapiens

<400> 727

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 tcctgtaatg taaaaatcca tgcttcagga ttccacAAAC tcttgaaag cttttcctg 660
 catccttgct tgggtttgg tgggggggnna aaaaaagccc ccaaantttt tttttnttt 720
 ttcccccccc cccc 734

<210> 728

<211> 781

<212> DNA

<213> Homo sapiens

<400> 728

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 gcagcagcca tgagcggcg cggtgtacggg ggagatgaag ttggagccct ttttttgcac 180
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 ggcgataaaag gcaaacaagg cggtcccacc tactacatag atactaatgc tctgcgtgtt 360
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 cactgcaan ttcccaagtt ncccccaaaa cccggaaaat tttgggggggncccccttt 720
 taaaattttg ggggttttc cccccccctt tttttcccc aaaaaaacc caaaaaaaaag 780
 g 781

<210> 729

<211> 772

<212> DNA

<213> Homo sapiens

<400> 729

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ggttcatgct tgaagttta atgacaaaga atgaaaacaa tagccatgcc tttatgaaga 180
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atgaaaaact gtatacagta tgttatgtgg ctctctgtgt tataaatagt aaaagtgcctt 300
tgtgcaatgc agattcacca aaggacccag tcctccaaat gaaatttttt acacaacctg 360
aaaaggactt ctgtaacat aagagttata tttcagaaga gacaagagta cttctgttaa 420
caggaaagcc aaagcctgct ggagtagctag gtgcagtaaa taagccttta tcagcaacgg 480
gaaggaaacc ctatgttaga agcactggca ctgagactgg aagcaatatt aatgtaaatt 540
cagagctgaa cccttcaacc ggaaatcgat caagggaaaca gagttcagag gcagcagaaa 600
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atattggacc ccagttaaaa gggaaaaattt taaaaaaaggg gggaaaaaaa aaaatttttt 720
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<210> 730

<211> 730

<212> DNA

<213> Homo sapiens

<400> 730

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caggagccctt ctttacactt cgccatgagt ttccatcg actccagcat catgattacc 180
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aacttaggaga tccctttccc atttcagcc caaaacatgg gatcttatcc atagaacacgc 600
tcatcagccg gggtgggttg attggagtga ctctcatggc tcttctttctt ggatttggtg 660

ccttgtccaa acctgggncc cccccccaaa ttaaaccnn aancctttt tttaaaacc 720
 cccaaattt 730

<210> 731

<211> 693

<212> DNA

<213> Homo sapiens

<400> 731

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 gagacctggc tgcaaccctt caggctctgc tgatgctgtc cccctttttt cctgcagcgt 180
 ggaccctgcc agcagccagg ccatggagct ctctgatgtc accctcattt agggtgtggg 240
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 gctcttacc tacgttagcag acagcggtag caaccagctc ctggcgcta ttgtgtcagc 360
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 ccttgagcat ctccttgaca tccaaggcct gcccaaaaga caagcaggtg caggcagcag 600
 cagtcagag gccccctga gatctgagga tagcacctgc ctccctccca gcccggccc 660
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<210> 732

<211> 681

<212> DNA

<213> Homo sapiens

<400> 732

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caacaactca tgacatacag atgcccattt ggatctgtac ttacagaga aaaaaaaaaaag 120
 ctgtaaacac tttaaattt gaggccctgat ttctttttt gaattccaag tagacctaga 180
 cactagttt ccaatttaggg ttgttgtaag gtctagagtt ttgtatgtt tggagatgta 240
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 ggtgtgctgc acccatttaac tcatcattt cattaggtgt atctcctaatt gctatccctc 480
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 ttctcattgt tcaattccca cctaagagtg agaacatgcg gtgtttggtt ttctgtcctt 600
 gcgatagttt gctgagaatg atggtttccc gtttcatcca tgccctacca aggaccatga 660
 aacttcaatc ccctttttnn n 681

<210> 733

<211> 711

<212> DNA

<213> Homo sapiens

<400> 733

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 aggacgctgt cccgcgcgt cccaggccgc cccgaggctt ggggtcttcg aaggataatc 180
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 gaccgc当地 tggtgcc当地 ttatcagaac gtgagtgcat cggagggc caggcacgg 540
 gggcgccggg gtaatctgc acctatggcc ccgatctc当地 ccctctcg 600
 gcagaccatc gggccgc当地 cgtggccaa gtgatgtcgg tcggagacccg gacttgc当地 660

canttaaggg ttaattttt gggggggggg naaaaaccaa acccccca a 711

<210> 734

<211> 759

<212> DNA

<213> Homo sapiens

<400> 734

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cctccgttcc ccgtcccgga gctgccggcg gcatgatccg acacgccggg gcgcggcgc 180

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aggcagaggt ggccaggatc ctgcaccggg tggggctgg gatgttcctg gttgccggg 420

acagcagctc gaagcagctg gtgctctgtg tccactttcc ttctctgaac gaaagctcgg 480

ccgaggtgct cgaatacacc attaaggaag aaaagtctat attgtacactg gaaggctcgg 540

ctcttggtt tgaggacatc tttagattga ttgcgttcta ctgtgtcaag tagagactta 600

ctgcccctca cacttgcgn taccccgagc catcctttag gccagcaagc ttacgggcc 660

attcacacag gcgggtgaaag tcagccttag gatggccccc anaagtgtatg gagccctga 720

anggtgtgtg tgganggcaa aaggaaaagg ggacaagac 759

<210> 735

<211> 804

<212> DNA

<213> Homo sapiens

<400> 735

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 gacCTgggta gacagaaaca taccCACCTC tgCCCTCCTC acCTTCCAGT cagggcagca 660
 ggggatCCTC atatCCTCtg aggcaaaagca aatggCTtca CTTCATgtgg aaatgaattt 720
 gCcagtgagc ttTcgTgCTt ggttgacaat aaggcatcac tgaggaaact aattgggggg 780
 caggTCTCCT tgaaggaaan canN 804

<210> 736

<211> 804

<212> DNA

<213> Homo sapiens

<400> 736

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 tttaagtatt ttgtcagagg gttttgcat ttatgttcat gacaaatacc agtctagttt 720
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<210> 737

<211> 806

<212> DNA

<213> Homo sapiens

<400> 737

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<210> 738

<211> 716

<212> DNA

<213> Homo sapiens

<400> 738

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<210> 739

<211> 808

<212> DNA

<213> Homo sapiens

<400> 739

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<210> 740

<211> 773

<212> DNA

<213> Homo sapiens

<400> 740

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<210> 741

<211> 798

<212> DNA

<213> Homo sapiens

<400> 741

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<210> 742

<211> 824

<212> DNA

<213> Homo sapiens

<400> 742

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tggctcacac ctgtaatccc tacactttgg gaggctgagg caggtggatc acctgaggtc 180
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<210> 743

<211> 820

<212> DNA

<213> Homo sapiens

<400> 743

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 cattttttta ttttagtta ttatggatac ataatagttg tacatattta tgggtacat 240
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<210> 744

<211> 760

<212> DNA

<213> Homo sapiens

<400> 744

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 aactacttca ctgcaggaaa ggggaggagg gacaagagga ggaccaattc cccaaggac 540
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 gcttgactca ggcggggctg atcaaaggcc atttgctgtt ttagagtgtt cctatgtgtg 660
 ctggcagac agagttgnct ttttattgct tccattccca ctaagacctn catccccca 720
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<210> 745

<211> 820

<212> DNA

<213> Homo sapiens

<400> 745

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<210> 746

<211> 815

<212> DNA

<213> Homo sapiens

<400> 746

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atttaaaagg ctgtcacatt ttgaattatc ttaatagaaa ggtctttgt gcaaaatgag 480
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tgcaatcaga agaggcctat tattggatt taggtgcaag acagcacaat ttgatcatat 720
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<210> 747

<211> 784

212 DNA

<213> Homo sapiens

<400> 747

<210> 748

<211> 781

<212> DNA

<213> Homo sapiens

<400> 748

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gctatccttc aacaagtgtt tgtggtgat tatgttggc agtccaaat gtgtggagat 180
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<210> 749

<211> 781

<212> DNA

<213> Homo sapiens

<400> 749

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<211> 699

<212> DNA

<213> Homo sapiens

<400> 750

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 cggtgtggcacc tgcgcgc(cc) ggacctccac gcagagcgct cagccgcga gctctccctg 300
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<210> 751

<211> 704

<212> DNA

<213> Homo sapiens

<400> 751

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 caccgggtgg tggcctgtca gagctcacac CCTCTGTgCT aactnCTGCC agatgagagg 660
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<210> 752

<211> 777

<212> DNA

<213> Homo sapiens

<400> 752

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 ctgcatgtaa gaaccaggct tacgggccag cccctctctg caggcccaca ctgtacactc 660
 ctgaaatgcc attccttagt ctggccaacc ctcattcacc cttccaatct cagcttata 720
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<210> 753

<211> 755

<212> DNA

<213> Homo sapiens

<400> 753

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<210> 754

<211> 777

<212> DNA

<213> Homo sapiens

<400> 754

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<210> 755

<211> 764

<212> DNA

<213> Homo sapiens

<400> 755

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<210> 756

<211> 800

<212> DNA

<213> Homo sapiens

<400> 756

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<210> 757

<211> 798

<212> DNA

<213> Homo sapiens

<400> 757

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<210> 758

<211> 797

<212> DNA

<213> Homo sapiens

<400> 758

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<210> 759

<211> 798

<212> DNA

<213> Homo sapiens

<400> 759

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<210> 760

<211> 797

<212> DNA

<213> Homo sapiens

<400> 760

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<210> 761

<211> 798

<212> DNA

<213> Homo sapiens

<400> 761

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<210> 762

<211> 791

<212> DNA

<213> Homo sapiens

<400> 762

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 aagccctgtt taacaataa atgccttct gatagctta tttaaacta atctgcttt 720
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<210> 763

<211> 801

<212> DNA

<213> Homo sapiens

<400> 763

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<210> 764

<211> 819

<212> DNA

<213> Homo sapiens

<400> 764

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819

<210> 765

<211> 774

<212> DNA

<213> Homo sapiens

<400> 765

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atttgnttag ctttatgctg ggtatattgn atagtcacaa ttttttgtg tgggtttagg 720

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<210> 766

<211> 821

<212> DNA

<213> Homo sapiens

<400> 766

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 ttgataaact agcttatgtg atggatggattt aatggatct atttggatttt cattttaaang 780
 tgaaaattga tttgcaagtg accatgcctt acaagctacc c 821

<210> 767

<211> 737

<212> DNA

<213> Homo sapiens

<400> 767

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<210> 768

<211> 782

<212> DNA

<213> Homo sapiens

<400> 768

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<210> 769

<211> 767

<212> DNA

<213> Homo sapiens

<400> 769

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<210> 770

<211> 793

<212> DNA

<213> Homo sapiens

<400> 770

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<210> 771

<211> 819

<212> DNA

<213> Homo sapiens

<400> 771

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<210> 772

<211> 818

<212> DNA

<213> Homo sapiens

<400> 772

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<210> 773

<211> 762

<212> DNA

<213> Homo sapiens

<400> 773

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<210> 774

<211> 849

<212> DNA

<213> Homo sapiens

<400> 774

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<210> 775

<211> 739

<212> DNA

<213> Homo sapiens

<400> 775

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<210> 776

<211> 846

<212> DNA

<213> Homo sapiens

<400> 776

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 accactttt aagaagctct taaaatggca tctcggtggag atagcaccaa agtggatnaa 780
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<210> 777

<211> 853

<212> DNA

<213> Homo sapiens

<400> 777

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<210> 778

<211> 848

<212> DNA

<213> Homo sapiens

<400> 778

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 gtcctgtta gaaccttatac atattctgcc ttgataattg agggcaggga ccattcatct 180
 aacacagctg ttggTACCCA atatgatttt gttgaattat taatgaaaaa cttacaattt 240
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 attaattcaa ttacccttaa aacttctgaa gtaggtactc ctattatcct attttataaa 780
 tgaggaaaca ggctgagata ggttcagaca cccaccccg ntgatgtgcc acgtgccaca 840
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<210> 779

<211> 730

<212> DNA

<213> Homo sapiens

<400> 779

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 gaaacatgtt gcagtgcgga tgaatcttat catgatgcta agtgaataag ccagacacaa 180
 aaaatccaaa tgtatcattc tacctgtatg aggtacttta agtagtcaat tcatagagac 240
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<210> 780

<211> 786

<212> DNA

<213> Homo sapiens

<400> 780

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 gggtaaggt aggcgctaaa ggcttgggc taaagccagc acgcggttct gtgctataagg 180
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<210> 781

<211> 826

<212> DNA

<213> Homo sapiens

<400> 781

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<210> 782

<211> 843

<212> DNA

<213> Homo sapiens

<400> 782

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 cctgctattt aagcttatgc agttcttcc agtcctcag tcaccccagc agccatatac 180
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843

<210> 783

<211> 846

<212> DNA

<213> Homo sapiens

<400> 783

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 agtgggactg tctgatccct gctcagaggg gcctctacaa ggatgtgtatg atggggacct 180
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 ctgtatgtatc ggtggtagga tacacaagg tataaacgaa cctgaggcta acaaatactg 780
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<210> 784

<211> 846

<212> DNA

<213> Homo sapiens

<400> 784

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 aagggttggt aactgcattcc gcctctcag ggaaataacc aagttgttca gattcttagc 180
 tgtattatgt gaagttgttt gtcagcttca ttgcttacta ctgtgaaata agttataaag 240
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<210> 785

<211> 862

<212> DNA

<213> Homo sapiens

<400> 785

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<210> 786

<211> 837

<212> DNA

<213> Homo sapiens

<400> 786

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 aatttcaccc atttttgtga cgtggctact aaggaatttc aggtgatgct tgcgtgtcc 600
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<210> 787

<211> 835

<212> DNA

<213> Homo sapiens

<400> 787

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catcttctta gtttctatat caatttattt atttatttt ttatTTTttt ttgagaccaa 180

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gatttcacta ttttgcccag gctggtctcg aactcctggc ctcaagtgtat gctccgccc 360

tatctcaaaa taataagagc tatttatgac aaacccacag ncaatatcat actgaatgga 420

caaaaaactag aagcattccc tttgaaaact ggcgcaagac agggatgccc tcttcacca 480

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gcaaagtctc aggtcaaaa tcaatgtgca gaaatcacaa gcattcctat catcaataac 720

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<210> 788

<211> 833

<212> DNA

<213> Homo sapiens

<400> 788

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<210> 789

<211> 727

<212> DNA

<213> Homo sapiens

<400> 789

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gcaaaaaaaaaa agagacagat aaacagaaga aaattgcaga gaaagaagta aggattaagc	180
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<210> 790

<211> 802

<212> DNA

<213> Homo sapiens

<400> 790

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<210> 791

<211> 859

<212> DNA

<213> Homo sapiens

<400> 791

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<210> 792

<211> 879

<212> DNA

<213> Homo sapiens

<400> 792

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<210> 793

<211> 886

<212> DNA

<213> Homo sapiens

<400> 793

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<210> 794

<211> 883

<212> DNA

<213> Homo sapiens

<400> 794

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 aatattctc ctggattatc tagtggtttt aatgtctaaac aatataatatt ctacaatgt 780
 cctaattttt taaaatccaa gagtaagaat gcttagtaat agaagcttca tcacctnagt 840
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<210> 795

<211> 777

<212> DNA

<213> Homo sapiens

<400> 795

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 aagtacatga aatatgaaga agagctaccc gntttccact tggggttcaa gtgccaagtt 720
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<210> 796

<211> 735

<212> DNA

<213> Homo sapiens

<400> 796

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<210> 797

<211> 753

<212> DNA

<213> Homo sapiens

<400> 797

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 gccatccgga aagagatcca cgactttgcc cagctgagcg agaacacata ccatgtgtac 180
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<210> 798

<211> 755

<212> DNA

<213> Homo sapiens

<400> 798

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gggaggccaa	ggcgggtgga	tcacttgagt	tcaggagttc	gagaccagcc	tggcctacat	180
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tcaaaaaaaa	aaaaaaaaaa	aaaaaaaaga	agtgcagata	caggatagt	gaagaaagag	420
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<210> 799

<211> 752

<212> DNA

<213> Homo sapiens

<400> 799

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<210> 800

<211> 746

<212> DNA

<213> Homo sapiens

<400> 800

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<210> 801

<211> 878

<212> DNA

<213> Homo sapiens

<400> 801

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<210> 802

<211> 422

<212> DNA

<213> Homo sapiens

<400> 802

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cacagccgct gcaaagcttc gacagnnnttc gcggcgctca ccaccancac catcaccacc	420
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<210> 803

<211> 607

<212> DNA

<213> Homo sapiens

<400> 803

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<210> 804

<211> 763

<212> DNA

<213> Homo sapiens

<400> 804

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<210> 805

<211> 748

<212> DNA

<213> Homo sapiens

<400> 805

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<210> 806

<211> 847

<212> DNA

<213> Homo sapiens

<400> 806

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<210> 807

<211> 768

<212> DNA

<213> Homo sapiens

<400> 807

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<210> 808

<211> 847

<212> DNA

<213> Homo sapiens

<400> 808

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<210> 809

<211> 838

<212> DNA

<213> Homo sapiens

<400> 809

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 gttctgtgag ttttctccac ccatggcctt ccctcgatc agccccgtgtt ataattttgtt 360

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 tcanagtctc tctttgtccg tggatggtgga acacccaaa atcatnacta acttgtcaaa 780
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<210> 810

<211> 850

<212> DNA

<213> Homo sapiens

<400> 810

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 cggattgatc aggccagcct agactattca tacgctcgga agcngnttga cagggctgaa 780
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850

<210> 811

<211> 840

<212> DNA

<213> Homo sapiens

<400> 811

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tgatacacac tggcccttg atactgcacg acaagaatat ttggtaact cattaagaca 180

ggaatcagac ttgaaaaaat ccacctcgtc agataattca agtctctatc atggtaaaaa 240

taaacaaaat ctgactgttg atccctgtga cattttgggt ggagttgata atcagcaaag 300

actgctacac attgtctggc ctcacaggtg ggagcatgat aaagatccag aaagctttt 360

taaggttata atgcatctta aagacttagg actcaatttc cacgtgtctg tacttggaga 420

aaccttcaca gatgtcccag atatttttc agaggccaaa aaggcattgg gatcttctgt 480

cttacactgg ggctacttac ccagcaaaga tgactacttc caagtactgt gcatggctga 540

tgttgcata tcaacagcta agcatgaatt cttggagtg gcaatgttgg aagctgtgt 600

ctgtgggtgt tacccacttt gtnctaaaga tttggtttat cccgaaatat ttccagctga 660

atatctgtat tctacacctg aacagcttc aaaaaggctn cagaatttct ggcangagac 720

cagttttat tagaaaaacc atntttatt aaggggtgga aaatcggtttt cccgttttc 780

cttggggcca gccccttaca ttgggnaaaa attcaaggc tcctctggctt taccacccng 840

<210> 812

<211> 799

<212> DNA

<213> Homo sapiens

<400> 812

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ttgaacccaa ccactttga cctcgactca ctccccttagg gttaagaaag cccaaacaca	180
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cctcgccctgg ctggtttttgc ctttttttat agaccctggg catgtaaagca tttatttagtt	660
tgcatttttgc aaacagtaat ttcaatattt tagtccaat gtcaggccgn ttaaacactg	720
nattacatat cttcatctgt ctggtggaac tattggtgng atcctagaga actgagtcct	780
attctgcctt catttaaag	799

<210> 813

<211> 748

<212> DNA

<213> Homo sapiens

<400> 813

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agaggagtca caggttcaac atgaagaaca gtttttagaa gtgggagggc tggggaccta	180
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 accaaggaag acgaacaacc actactctgg ntttcacct tccacccca tncccaaga 720
 aagaacgggt gcttggtgcc gggccaca 748

<210> 814

<211> 847

<212> DNA

<213> Homo sapiens

<400> 814

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 aagataacctt tcgtcttgg ctcactgcag aagttcatcc caactttact cctatTTAC 240
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 ttgaaaatgc tatttatgga ggacgtatag acaactattt tgaccttgc gttttcagt 600
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 aaagcattttt tccatattcc gtatctctac cacaatcctg cagcattttg gactatcgtg 720
 ctgtcattga gaaaatttca gaggacgaca aacctagttt ctggcttg nctgccaata 780
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 gcaaaacc 847

<210> 815

<211> 808

<212> DNA

<213> Homo sapiens

<400> 815

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 atatgatact tttaaaccgg aacctgcatt tgatatcctg gaatttggtt ctctacttcc 120
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<210> 816

<211> 808

<212> DNA

<213> Homo sapiens

<400> 816

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 gtacagttaga gaacacttga cattgtgaat gtgacctctg accccaaccc ttgtaaagcc 120
 aataactttg agggtaata aggttaacact tgcttagaaa acccagccct ttccccccagt 180

ctccctgcgt cttatacatt gatactttac aactatTTT gctgtacCTC tcagtcttC 240
 ctggataatg ggaccactta aaaaaaaaaaag tgattcatct tcctcaaact agaatttcaa 300
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 gagattctcc tgcctcagcc tcccaagtag ctgggattac aggCgtgtgc caccacgacc 720
 agctaattt gnatttttag tagaaatggg gtttcaccat gttggccagg ttggtcttcg 780
 aactcctgan cttnaaggga tccacccg 808

<210> 817

<211> 820

<212> DNA

<213> Homo sapiens

<400> 817

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 agacattaag cattaatgtg tattaacttg atgcctagta taagaggatg aactaatttg 240
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 gatggaagag attgcagaat ggaggtacca gttGCCcagg atttgaaag gaggcagatcc 600
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attttgaga cggagtcttgcgtccccc agctggaatgcattggcgcata tcttgggtca 720
 ctgcaagctc cgcttcgttgc ttcacgccccat tcttcgttgc tnaccttctg agcantggac 780
 tacagcgcccc gcaacatgcc cgggtttttt ttnggattttt 820

<210> 818

<211> 821

<212> DNA

<213> Homo sapiens

<400> 818

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 aagacctcaa ctttggccaa gtgggtggccg atgtgctctg cgagttcctg gaggtggctg 180
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<210> 819

<211> 691

<212> DNA

<213> Homo sapiens

<400> 819

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 actatttctc ccactgtcca gtgagcggnt tgaggcagg aactggtna ttttatgttt 660
 ggccttctt ttcatatctt aataggtgca n 691

<210> 820

<211> 841

<212> DNA

<213> Homo sapiens

<400> 820

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<210> 821

<211> 807

<212> DNA

<213> Homo sapiens

<400> 821

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 caggggtgct ggtatgtatg gtgattttt aacctacaga ggaaagtggag gaggaacagc 360
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 agaataatat ttataaggaa ggagttgcaa ggaacatcta gggAACATAA aagtaaatga 720
 tccaaagaagt taatgggttg ggtggtaaag tggatgtga agctcacaac tcgggnaggc 780
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<210> 822

<211> 872

<212> DNA

<213> Homo sapiens

<400> 822

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 gtaATTCCAG cactTCGGGA ggCTgaggTG ggaggATTGc ttGAGGCCtG gagTTcaAGA 180
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 TCCAGCCTGG GTGATAGACT CTGTCTAAA AAATAAAGTC AGATGGAATC ATGCTTAAT 420
 ACTAGATATA TGGATCATTG AGACTGTCTC AAAAGAATAA ATGTTATCAG AAAAAAATT 480
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 AAACtGAGTT GACATCCCCG GGTATAATT ttATTTCTAT CTTGGGGTTA ATTGAAGCAT 720
 GTCCGCCATT CCCAGTAAT ATATGTAAA ATGGCTACAT TTACATTAAG CCAGATTAT 780
 TGCTATGCTT ATCCtGATAT TTCAAGAAA TTGGGGTATT TTtCTTTGG ACTTTAGTAG 840
 AAAGTTAAAG CAAATNTTA ATGCTGCCTC AA 872

<210> 823

<211> 808

<212> DNA

<213> Homo sapiens

<400> 823

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<210> 824

<211> 825

<212> DNA

<213> Homo sapiens

<400> 824

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<210> 825

<211> 820

<212> DNA

<213> Homo sapiens

<400> 825

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 caagcacaca tatgttcact acagtactat tcaatactat tcaatagcaa agacatggaa 660
 tcaacccaag tacccatcggtgatagacta aataaagaaa atgtggtcat atgcaccatg 720
 gaatactgna cagccataaa aaggaatgag atcatgtcct ttgcanggg catggatgga 780
 agtttggaaag ccattatcct naacaaacta atgccggaat 820

<210> 826

<211> 837

<212> DNA

<213> Homo sapiens

<400> 826

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<210> 827

<211> 746

<212> DNA

<213> Homo sapiens

<400> 827

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<210> 828

<211> 660

<212> DNA

<213> Homo sapiens

<400> 828

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<210> 829

<211> 818

<212> DNA

<213> Homo sapiens

<400> 829

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 gcaagcatca tgataagata tgggtgaagc ccacttaggaa ataaatcatt ctcttctcta 180
 tggttgactt gctagtaaac agaagacttc aagccagcca ggaaattaaa gtggcgacta 240
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<210> 830

<211> 901

<212> DNA

<213> Homo sapiens

<400> 830

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<210> 831

<211> 822

<212> DNA

<213> Homo sapiens

<400> 831

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<210> 832

<211> 804

<212> DNA

<213> Homo sapiens

<400> 832

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 ttggtggag gagtagagag gcaaggctcg gttgtggac tggatcgtaa tgcatttcga 180
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 ctacttagtt canaaaaatg atgttgcattt gtgtgttca gggtaagat gaaggtcact 780
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<210> 833

<211> 793

<212> DNA

<213> Homo sapiens

<400> 833

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<210> 834

<211> 803

<212> DNA

<213> Homo sapiens

<400> 834

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 tactgggtat atacctgaag gaatataaaat cattctacca taaaaacaca tgttaggtgaa 720
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<210> 835

<211> 801

<212> DNA

<213> Homo sapiens

<400> 835

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agaatttta ngttgggtt ttaaaccatn acaagagcca accatttgct aggcactttg 780
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<210> 836

<211> 849

<212> DNA

<213> Homo sapiens

<400> 836

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<210> 837

<211> 853

<212> DNA

<213> Homo sapiens

<400> 837

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<210> 838

<211> 874

<212> DNA

<213> Homo sapiens

<400> 838

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210 839

211 <211> 828

<212> DNA

<213> Homo sapiens

〈400〉 839

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<210> 840

<211> 885

<212> DNA

<213> Homo sapiens

<400> 840

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 tagtccttagc actttggag gccgaggcag gcaaattgtc tgaggtcggg agttcgagaa 180
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<210> 841

<211> 843

<212> DNA

<213> Homo sapiens

<400> 841

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 gaacaaacta gaagaaatgg ataaattcct aaaacatatac acctatcagg accacatcat 420
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 ttgttaagaaa ataaagttac aggccatat ctttgatgaa cagttgaaaa aatcctcaac 720
 aaaatactag caaactggaa ttgaaatagc accattaaaa nggagccgta cacccatgg 780
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<210> 842

<211> 742

<212> DNA

<213> Homo sapiens

<400> 842

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 cccctctcct gtgccggcgt gggcatcccc cggggcagtg gaacgcgggc gctcctccag 180
 cttccgagtc cagccagcct gggcgcccc cggccgggg gagacaccccg aggagtccgt 240
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 gtcgctcgaa ggtgctggag gtgtcggtgg agggcggca ggtggaggag gccatgctgg 540
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 gcacctactt cactggcacc gtgggcaccc aggtatgtga ctgtgacttc atcgacttca 660
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<210> 843

<211> 636

<212> DNA

<213> Homo sapiens

<400> 843

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 tacctgcata ggatgtggag gaggcctatc tgaaaaatg atcaattttg caattatcct 180
 caaattcgta taaatcatgc agagtctaac taaaggatgg gaataggaag caaaacaaag 240
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 aaaatagtag caaatcaggt tacataaaag cttcttttc attggattta tttctcaatg 360
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 cgaacagtt ggtttgccc caacttgtgg agagtaaata tgaacattt agggccatgg 480
 gcactataga tgattactaa gttagataat acaagattac tcctgttagct gatgacattt 540
 aagtaatgat agtgccttt caaaattcaa aattctttt tctttattat ttatatttt 600
 ttagtacttt cccacttigt tttttttt ttnnnn 636

<210> 844

<211> 856

<212> DNA

<213> Homo sapiens

<400> 844

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 atcatggggg cagatcttc ctgtgctgtt cttgtgttag tgaataagtc tcacaagatc 180
 tgatggttt aaaaagagga gattccttgc acaagcttc tgtgcctgct accatccatg 240
 taagatgtga ctttctcct tgccttcctc cctgatttg aggcttcctc agccctgtgg 300
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 ttagaacaga gaagaaaaaaaa atacatctaa actaacactg attctaggac ctttcaacan 720
 tgtgcaagtc tgaaccgtct tnccctggttt tggcatggt atcactactg gtggctggg 780
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 cccnntttct taactt 856

<210> 845

<211> 864

<212> DNA

<213> Homo sapiens

<400> 845

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 tgcatacaca tattttccaa atattacata tagttcatg taattttagt acctattaag 180

gccccaccat tttcttggat aggggattct tttagaagtcc agcttaaata aagcccgtat 240
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 ctgagggtga atgaataaga gaaactacag tagtaggaaa aaacagtaca tgttagatatc 480
 aatgaatatg aaagggtcaa atggatctat tatagtaagc acaaaatcaa ctgacaccag 540
 caaagtaaac ccaaaatttt taatggtatt ttaatagatc aagaggagca agcagatttt 600
 tgagacagtt gtctcctact ttctctatca cagggagtaa tttaaaaga aaaatgggag 660
 gggtaagtt cttaagaga aaattgttgt taaaacagg tcattggata attagaaata 720
 atttaatttc tttagaggat tttaatctt caactgcttg caattagatc ctaangcaat 780
 aaaaggaata aggagatttg gaaaaccatt gctgnaatct ctgaagaaaa gtggacattt 840
 nggagtagg ttgaaagcaa agct 864

<210> 846

<211> 767

<212> DNA

<213> Homo sapiens

<400> 846

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 ggagttcaaa gccagcctgg ccaacatggc aaaacctcat ctgttattaaa aataaaaaaa 180
 ttagccaaat gtgggtggtac acgcctgtaa tccagctac ttggcatct gattcacaag 240
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 gcctggacga tagagtgaga ctctgtctca aaaaaaaaaa aaaaaaaaaa aaaaattatt 360
 tccataaaga atagatcaac atgttaggtat aatgcctgct gttacttaat aggcaagatc 420
 acgtctctgg ataccagcac catgagagca gccatgaaac caggctggga ggacctggta 480
 agaaggtgta ttcaaaatgtt ccatgcgcag catgaaggag aatctgtgtc ctatgctaag 540
 aggcatcatc atgaaggtaa gcatctctaa atgatTTTC taaaattatt gttccctgtg 600

ggagctttct gtcaatgatt cctggagttc accttggaa cagagcttgt gactgttctc 660
 gtgagctgct catctggccc cagtgtgcc atctaaagga aaattnaaca ggagaacctg 720
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<210> 847

<211> 868

<212> DNA

<213> Homo sapiens

<400> 847

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 ctttttcat gaaaagctag ttattccaaa taatttagctt ttttcataaaa aagcttagtt 180
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 aatttaaatt tggggcaagt gtattattaa tggtacatat tgtattaaag tttgtgtaat 420
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 tgtataaaac aaatttataa ctgattgcta gtaagaggta ccatgtaaga attgtgttgc 540
 cagctgaatg aagaaatttt aaaacctggt tccatataatt acaaatacatg agccaggact 600
 ttggtagggg aggaattggg ggctttggct cccaaaaatc tctgtcacat accccctccc 660
 caccacaagt acacaatcta tggaaaactt ggcttatcat aattacagct ttaagtaatt 720
 ttcccttctc ttggatatt gnatattgc atattgaaga ngtcaaaaca cagtaataca 780
 tgcataattaa gagaattgca ttcataaata gtcaagatatactaaaaattt ggcatttgaa 840
 attgaagcac tagagtgtt aatngatg 868

<210> 848

<211> 746

<212> DNA

<213> Homo sapiens

<400> 848

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 attgtataga tttcttgaga gcagggactt tggttggtc attactgtac ccatagcctc 180
 tagaacagca tgtggcacgt agtaggcagt gagtaaatat ttattgaatg aaggtatgaa 240
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 ttaggtcttc tttttttct tttagatag gggtgctca ttgaggctgg catgcagtgg 360
 tgtgatcttgc gctcaactgca gcctccgcct cctggctca agcaagcctc ccatctcagc 420
 ctcccttagta gctgggacta caggcgtgca ccaccacatc tggctaattt ttgtacttt 480
 tgttagagaca cggtttgcc atgttgccca ggctggctt gaacccttg gctgaagtga 540
 tctgcctgcc tcggccccc aaagtgcgt gattgcaggc aagagccact atgtccagcc 600
 tttttttt ttttaaca gagtcttgcg ctgctgctca ggctaaaagt gcaactggcac 660
 gatcagggct cactgcacct tgacccctg ggctgaaact gcctccgtcc tnactccgn 720
 atgcctaccc ccaacttnac cccaca 746

<210> 849

<211> 837

<212> DNA

<213> Homo sapiens

<400> 849

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 aaattctta gtcttttct actacatagg ctgcgagatt tccttcaaatttttattaaag 180
 tataaattat gtatgtaaac taatgtcccg aaataagctc ttaaagctta ctttagctat 240
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tcactgcaac ctctgcctcc tgggttcaaa cgattctgcc tcagccaccc gagtagctgg 420
 gattacaggc atgtgccacc atgcctggct aatttttt gtatTTTtag tagaaacggg 480
 gtttccat gttagccagg ctggtctcaa acttctgacc tcaggtgatc caccgcctt 540
 ggcctccaa agtgctggta ttacaggcat gagccgccac gcccggccaa ttttattctt 600
 aatttaata gtttcccgg gtttatcaag aatctttaaa ctttattcct tccataaaagt 660
 cattattatg accacaccca gtggaagagg aggaatgaaa gatgcaaact ttaaggttc 720
 angatattt aagtgttggg tgcatggaga cccgtagctg ataataatcc ctttaaattt 780
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<210> 850

<211> 772

<212> DNA

<213> Homo sapiens

<400> 850

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 gcgcctcctg cccagaaccg tggatatacg ccctggccaa accctcacca ggatcaggcc 120
 tgtctccct atgagggtta acctatgctc caggctctgt aatgttcccc caggcaagag 180
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 cactccaagt cgcacacaga gccaagccc cacaagtgcc cgcaCTgtc caagtccTT 480
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 gtggcctgcc tgctgcctg ctgcagcccc actcagctca cacccgtggc ctggcacatg 660
 gagccagtgc aaggangggc aaggacctt ttcaggtgcc cattgcctcg ggtcacggnc 720
 cttgtggacc taactgnct tactgggtt actggacccc gtcccactgg tt 772

<210> 851

<211> 714

<212> DNA

<213> Homo sapiens

<400> 851

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 atacacacac aaaatggaat tcattttta aaaaatataa cttatccaaat gcctacaacg 120
 ttccaagcat tttatagtt gctagcactg ccatggtaa caaatttcta ccacttcata 180
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 ttttttttgg gacggagtct tgctctgtcg cccaggctgg agtgcagtgg gtgcgatctc 660
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<210> 852

<211> 866

<212> DNA

<213> Homo sapiens

<400> 852

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 gaataattga aacactagtt tcttaaaatt tctgttaaaa ttggtaaag gccatagaat 180
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aagactttag agatgtata tag tccagtgtgt taattaaagg atactaccta cttctaattc 300
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 ttggcattt aaagtatagt ctttgatggt agaaatgtga gattgacaaa aatcatgtcc 420
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 taatttctga ccagttaatg caaactgaga ttccttattgt cctaagaaaaa tctggaaagt 660
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 ttcaacccat tgctggact tcttgaggta tgtattaatt aagaagttgg cctattaatt 780
 gggaaatggtt cttttaagaac tttaaagttg gattattaaa aatttttggg gccttaaaag 840
 tttggccaat nantcaaaaa ccaaaa 866

<210> 853

<211> 847

<212> DNA

<213> Homo sapiens

<400> 853

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 tcttactgaa agcgaagggt tatttgtcta atctaaggca aaaatgaggg tggaaattga 180
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 gtgggctagg cctgcttctt tactctcagg gttcttcc acaatgctga ttatacagtc 540
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aatttcattt cccacctttt atgaaagaag caaaaagtgtt ttttctnca agtggggaaa 720
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 catactgaga tgataaggaa atcttaaaac actatggnat ttcatggcaa tcctaagaat 840
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<210> 854

<211> 698

<212> DNA

<213> Homo sapiens

<400> 854

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 tangcaacat cgagtgggcc ancttgcaca ctctgtta 698

<210> 855

<211> 755

<212> DNA

<213> Homo sapiens

<400> 855

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 aagatcggtt ttcccccttc taaaagaaga atttcaaca gttttctca tactgcatta 180
 aaggtttag aaatactaca tagggtaaat gagaaaatgg gacagattat acagttatgtat 240
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 agaactttt tccagaactt acttttaaa taataacaca ttgcaaagga gtgctatata 480
 tttacaata tttatatgca aacattctac tctttacca aagccaaacc aaagaaaatgg 540
 attacactgt aaaacaaaac anaacaagac aaaaaaaaaacc tacaagtgtg aaatggattt 600
 ttaactctt tattttccat gaggttgcct cttatctc cagtggaa aatactggca 660
 ttcttcatac tggaactnct aagaatgcat tattggtgng aaattggtgc ttcaagacta 720
 cccaaagang actgggtgtg gtggctcatg ccctg 755

<210> 856

<211> 793

<212> DNA

<213> Homo sapiens

<400> 856

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 ggtatTTTT atcagtggat tagattgata tggagtcatc tcacttggat ttatcccagt 240
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 ttattttattt agagacaagg tctcaactc tc ttgcccaggc ttgagtacag tggcgtgatc 720
 tcgnntcactg cacctctgct gccggctcaa gtgatctnct acctnaacct tgcagttactg 780
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<210> 857

<211> 834

<212> DNA

<213> Homo sapiens

<400> 857

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 accaagattt ttcttatata ggcaattaaa ctgcttgittt caaatttccc tttagttgga 180
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 acttttaaca attatttaga atgtatagca ttctgaccc ttccagnntaa agtgcata 780
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<210> 858

<211> 751

<212> DNA

<213> Homo sapiens

<400> 858

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<211> 832

<212> DNA

<213> Homo sapiens

<400> 859

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 catcccaagtc acccagggct ccgccttc ccgcctccctg ctcttaccgg gagaggattc 240

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<211> 841

<212> DNA

<213> Homo sapiens

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<210> 861

<211> 858

<212> DNA

<213> Homo sapiens

<400> 861

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<210> 862

<211> 863

<212> DNA

<213> Homo sapiens

<400> 862

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<210> 863

<211> 861

<212> DNA

<213> Homo sapiens

<400> 863

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<210> 864

<211> 877

<212> DNA

<213> Homo sapiens

<400> 864

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〈210〉 865

211 <211> 874

<212> DNA

<213> Homo sapiens

<400> 865

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cgggcatcat tccgttagtg gactgaatgc ccgtgtcgag ctgacaagcc catacctcct 840
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〈210〉 866

〈211〉 820

<212> DNA

<213> Homo sapiens

<400> 866

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<210> 867

<211> 871

<212> DNA

<213> Homo sapiens

<400> 867

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aaatattttat tgaaaaaagc aaagctgtaa aaactattta agctgataact tctgccttt	180
aatttgggg catgtgaata atttttaagt aattaaatgg cattttagtc gggaaaaata	240

gaaaatata aacattata attcttaata ttctgaaaac tcttcaagtt ttcatggatgg 300
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<210> 868

<211> 822

<212> DNA

<213> Homo sapiens

<400> 868

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<210> 869

<211> 818

<212> DNA

<213> Homo sapiens

<400> 869

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<210> 870

<211> 738

<212> DNA

<213> Homo sapiens

<400> 870

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<210> 871

<211> 872

<212> DNA

<213> Homo sapiens

<400> 871

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<210> 872

<211> 863

<212> DNA

<213> Homo sapiens

<400> 872

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<210> 873

<211> 588

<212> DNA

<213> Homo sapiens

<400> 873

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<210> 874

<211> 888

<212> DNA

<213> Homo sapiens

<400> 874

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<210> 875

<211> 852

<212> DNA

<213> Homo sapiens

<400> 875

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 gattcggaaa tttaagccc atgaatcanc ccgcggtctt accacggtga tgccgtgtg 840
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<210> 876

<211> 800

<212> DNA

<213> Homo sapiens

<400> 876

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<210> 877

<211> 817

<212> DNA

<213> Homo sapiens

<400> 877

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 gcaaggtgtg tnattggaa tattggctt ttggting 817

<210> 878

<211> 859

<212> DNA

<213> Homo sapiens

<400> 878

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<210> 879

<211> 870

<212> DNA

<213> Homo sapiens

<400> 879

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cctgctgnat ttcttgnaac tgctgggtgg tacaaaataa gttaccatgg tttacacttt 780
 aaaaaaaaaa ccngaaggac atttgctta attgggtact tactaagttt aacccttagg 840
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<210> 880

<211> 704

<212> DNA

<213> Homo sapiens

<400> 880

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<210> 881

<211> 734

<212> DNA

<213> Homo sapiens

<400> 881

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 tgaatcctac ctctgctcct ttgtccatct gaatcaccct ctccacattt ctgaccgtgt 180
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 ggctgattcc gacgatgccg atgaattgcc aggttggaa ctgctcccc cagagaacct 660
 acaganagct ctgtacgtgg tangtgctca ctccctattt nttgggtgta tgccctctga 720
 tatgaacttg atcg 734

<210> 882

<211> 817

<212> DNA

<213> Homo sapiens

<400> 882

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 ggcactaggg cccagccctt ttaatctgaa agctctgctt cctctggtncc tttatcctgg 780
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<210> 883

<211> 763

<212> DNA

<213> Homo sapiens

<400> 883

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 cagaatagca gccttctcat aaattcagat gcaaggttc ctgtggctgg ttcttgaagg 720
 actccntata tactggtacc nggaatanac ttaagccaaac cgt 763

<210> 884

<211> 771

<212> DNA

<213> Homo sapiens

<400> 884

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 caggcgtgg ggtcacgca tggtaatccc gctactcggg aggctgangc aggagaatgg 660
 cgtgaaccccg ggaggcggac ttgcagttag ctcaaattgt gccactgnac tccacctggg 720
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<210> 885

<211> 845

<212> DNA

<213> Homo sapiens

<400> 885

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<210> 886

<211> 827

<212> DNA

<213> Homo sapiens

<400> 886

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 taatttagat ctaagagacg actctcgccct ganaagcctt gatataaggn gtattcgcag 780

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<210> 887

<211> 783

<212> DNA

<213> Homo sapiens

<400> 887

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agc	783

<210> 888

<211> 740

<212> DNA

<213> Homo sapiens

<400> 888

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 cgaccacccc gccgcctccg gtgcattggg actggcttag gagccagcat gggcaactgc 180
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<210> 889

<211> 839

<212> DNA

<213> Homo sapiens

<400> 889

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<210> 890

<211> 769

<212> DNA

<213> Homo sapiens

<400> 890

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<210> 891

<211> 773

<212> DNA

<213> Homo sapiens

<400> 891

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<210> 892

<211> 749

<212> DNA

<213> Homo sapiens

<400> 892

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<210> 893

<211> 745

<212> DNA

<213> Homo sapiens

<400> 893

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<210> 894

<211> 833

<212> DNA

<213> Homo sapiens

<400> 894

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<210> 895

<211> 814

<212> DNA

<213> Homo sapiens

<400> 895

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 aagcttagaga tgctgcttcg tggcgctga agttgcagaa cttgggtctgg tttctttct 180

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<210> 896

<211> 818

<212> DNA

<213> Homo sapiens

<400> 896

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<210> 897

<211> 810

<212> DNA

<213> Homo sapiens

<400> 897

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 gtggcctgct tatgttcaag ggagataaga agcccaaggt ctgggtagtc ccgacgcaac 720
 ttcggaggga tctgatttc tctggcatga cattcccttg ggggcccacc agaggcccgaa 780
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<210> 898

<211> 816

<212> DNA

<213> Homo sapiens

<400> 898

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 tggagaatgc ggaaaagcct ttaactggtc ctcaactctt attacacata agataattca 180
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<210> 899

<211> 814

<212> DNA

<213> Homo sapiens

<400> 899

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<210> 900

<211> 819

<212> DNA

<213> Homo sapiens

<400> 900

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<210> 901

<211> 808

<212> DNA

<213> Homo sapiens

<400> 901

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<210> 902

<211> 812

<212> DNA

<213> Homo sapiens

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<210> 903

<211> 757

<212> DNA

<213> Homo sapiens

<400> 903

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<210> 904

<211> 729

<212> DNA

<213> Homo sapiens

<400> 904

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<210> 905

<211> 840

<212> DNA

<213> Homo sapiens

<400> 905

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<210> 906

<211> 838

<212> DNA

<213> Homo sapiens.

<400> 906

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ttttccagt cgatactgcc cttcccact agtaatcatt cttctgactc ctctcactgt 720
agatttgctg tgcctgttca tgaatggaat catacaaatat ttggtctttt gngttggct 780
tctttcattc aatacagtgg ttTTTgagaa tcatctggtt ggtgcttata ttancagt 838

210 907

<211> 838

<212> DNA

<213> Homo sapiens

<400> 907

<210> 908

<211> 786

<212> DNA

<213> Homo sapiens

<400> 908

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 ctgcTTcgAA ttTCaccGTC ttcaGCTtt tCTagTTCTG ggcCTCACCA gcCTCTCATT 180
 ctgcCTGTtt tcaaACCTTA cgatccccAA aaATTGTCTG gttCTGGGCC tctaACTCCC 240
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 tggTTCTAGA CCTCTTCCTA taaATTAAATC CCTCTTGTTT tagatCTCAC ACCCTCCAAc 360
 gcccTCTGGT tccAGATCTT atATTcAGTg ATTcCTCTG gttCTGGACC ccacaACTCC 420
 aagCTTCCTA ttggTTCCAG ttCTCCTGAT cggtaatacA tttggTTCCA aatccAGACC 480
 tCTTAATCTC tCTCTTTTT tTTTTTTT tTTTgAGACA gagTcccACT ctgtCACCCCA 540
 ggCTGGAGTA cAGTGGCTCA atCTCGGCTC actGCAGCCT ccACCTCCTG ggtcaAGCA 600
 attCTTGGGC CTCAGCCTCC caaATAGCTG ggATTACAGG catGTGCCGN cacGCCAGC 660
 taAGTTTAT atTTTtagTA gagACAGTGT tTCACCATGT tggCCAGGCT ggnCTTGAAC 720
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<210> 909

<211> 836

<212> DNA

<213> Homo sapiens

<400> 909

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 agtctagggt tagcttgaat gaatgttaac tttctctgt aattttgact gcttacaatt 180
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 gggtagatgc tctaccacat tccttcagct gtattgagtg ttccatttgc ttatcaattt 300
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 atactaaaat ttatttgn atatgatgnt tggttttta aacttactaa cataaggatt 720
 tccttaata ttccaaatca agtcttgaaa cagtattcca acatgaaatc ttatctcctt 780
 gctttaaac ttaangctat ttactatcta aaggacttt ctatggnaag cccggg 836.

<210> 910

<211> 832

<212> DNA

<213> Homo sapiens

<400> 910

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 agcaaaccac catgtctgtt taatataat cacctgctgg tccctcggtc tagcaggctg 180
 aactgtgtgc ctggaaattt tcttctcgct gtgtgcaccc ctttacgtca caggggtggac 240
 tctcttcaga gtccttagtgg agcagctggc caggctgaca tgatctgaca acattgttagg 300
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 gtgtggaga acttgtgcac gtatctcccc tccgaatccc aacgatgggt aacgccagct 420
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ctgggtgtggg gaaaagtagc ctgctgcaca agtggcnag cggcaacttc cgtcatgagt 600
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 ccctgcacat accgcagcaa gagtggcgac ggcaaccgac ctctgcancg ccacgttata 720
 cccgggccac gccttcgtcc tgnctactc agtcaccaag aaggaaaccc tggaagagct 780
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<210> 911

<211> 830

<212> DNA

<213> Homo sapiens.

<400> 911

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 ggccatttgc acattattag tagtaaatca acccatgtaa agatggaaac tatggtcatt 180
 tcaaaagtga ttttcatttt tgtaagtgg gtcctacagc attatgtctt catatttgt 240
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 tctcaaaact gtgtgcattt gtataatgc taatgagggaa gataattcaa actaaaattc 360
 aaatcataat agcttttagga ttttagagag atagtataag gttaactcat tttcagcatg 420
 tgcagactta attatgcattt ggttgcataa cagtaggcaa gtctcagccct aataataat 480
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 tgattttata agatgttagat ccggattttt gtttgcttg ctctactgnc tcaaattatt 660
 ataacttctt tggttattact ggcttggttc tggttgnctt tcacaagtct ttgactcagt 720
 agtagtagca aatgacagag atcttcaagt gtcttaatgc ttgncaatat aatattattc 780
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<210> 912

<211> 475

<212> DNA

<213> Homo sapiens

<400> 912

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 cactcaggct ggagtgcagt ggtgtgatca tagctcaactg cagcctcgaa ctccctggcct 180
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 cccacctaatttttttaaaaaggcca ggcattgggg ctcacacttg tggcccccagc 300
 actttgggtg gccgaggcag gcagatcatg aggtcagaag ctcgagacca gcctgaccaa 360
 catggtaaaa ccccgctctactaaaaata gaaaaatttag ccggtcatgg tggcacacgc 420
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<210> 913

<211> 740

<212> DNA

<213> Homo sapiens

<400> 913

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 gtgagtagcc aatagttatt tcctctacca gtggatattt actaggcaat tattggaaat 180
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 ctgtttctag ttttaaaaata gcccacattt ctcaaataatg ttactgtttg gttcagaatt 600

tggaccacta cctaaaaaga acagatcatt caaacgtgtc ttttgaatat ttctgtcata 660
 tggaaatgcc tgcgcatataag ccccatgacg gatgtgcttg gctaaaaaac ctgttgacgn 720
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<210> 914

<211> 742

<212> DNA

<213> Homo sapiens

<400> 914

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 taattatgtt atgttgcag taatattaaa attttcatt gtttgatata ttaaattgct 180
 tcattcattaa ttttcatca ctaaatagtt ttctttgcc agagggagac tgatcaggaa 240
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 aacagaataa agaactgatc cttaggattt tctagtcata ccagtggaa gagccacatg 420
 ttttagggag ctcactgac ataaagcaaa gtttactt tgaataatgg ttgccatata 480
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 gtggtatttt cttctttgt tacttctaga cccttgctaa aggagaaaat ctggaaaact 600
 tagagaaata tatagtgatt aaataaaatag gtaatagttt atgatgttta aagctttct 660
 gcttcagta taaaaatatt ggattttgg aaatgttctt aaattgacag agtggaaagag 720
 gttttaaaaa aaaattttt tt 742

<210> 915

<211> 721

<212> DNA

<213> Homo sapiens

<400> 915

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 gacagtatcc actggatgca ttggAACCCC aaccCAGCAT tggggatatt aaggacatta 120
 aaaaAGCAGC caagtctatg ctagACCCAG cacataaATC tcatttccac CCTGTGACCC 180
 caagTTTAGT attCTTGTGT ttcatatTTG atgggttaca ccaggCatta CTGAGTGTG 240
 gtgtgagcaa gaggtctaAT actgtggTTG ggaatgagaa cgagGAAGG ggtactcTT 300
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 gccactgctg tgacCTTTG ataggCATTG CGGCTGGATC aagtgataAG atttgCACCA 420
 gcAGTCTCCA agttcAGAGA CGATTCAAGG caatgatGGC atctattGGA agactttcac 480
 atggtgagAG tgctgatCTG ctaatCAGCT gcaatGCAGA atcAGCCATA ggttggatca 540
 gctcaAGACC atgggttGGA gaattaATgt tcacacttCT atttggagAC tttGAATCCC 600
 ctctacacAA gctacgcaAG tcaagTTAGT tgccaAGAAA gcacAGATGA caacCTATTa 660
 atgctgtgag aatgtttcta gatcagtGCA tggatggCTN catigctcta CnGGCCATTG 720
 n 721

<210> 916

<211> 728

<212> DNA

<213> Homo sapiens

<400> 916

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 ttttatgata tcagccattt gatTTTTTC atTTTCTATT taAGAAATAT gaAGAAAAAAA 180
 tacaccaaga tggTCAAATT actacacAAAC tcagcAccAG cacAGTCTGA tagCTGAAA 240
 tgtccattca tctgctgtgt atgtatATCC agaatcAGCG tagGAAGTCG ttcaggatAT 300
 cagtatataa tgcacagaag tggggTTGT ttgAAAGCCA aacAGGAGAA tcacATGAAT 360
 ccagGAAGTG gaggttGCAA tgAGCCGAAA tcctGCCACT gcattCTAGC ctgggcACAG 420
 agcaAGACTC catCTCAAAA aacAAATGG tccAGCAAGG tggCTCACGC ctgtAAATCCC 480

agcactttgg gaggctgagg caggcgatg acaaggtcaa gagatcgaga ctttcctggc 540
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 cacttgtagt cccagctact tgagaggctg aggcaggaga atcgcttcaa ccggaaggca 660
 gaggttgcag tgagctgaga tgcgccattt cactccagcc tggcgacaga gcgaaaatna 720
 aantttt 728

<210> 917

<211> 711

<212> DNA

<213> Homo sapiens

<400> 917

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 gctaagtttc tcattgcagt gcctttctt cctgccagta gttcacagc tatttatcca 180
 gcttggagaa cttccctaa ttcatatct tctagccaag ttttacatg tctgtcacca 240
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 tgccttctac ttcaattgc ctcttagat gagcttaagt ttgaacggcc ggctcagtgc 360
 tgTTTTGGG actatggaat gcatcttccct ccaccactcc cctcattaa tgaaaggact 420
 ttcttcttc tccatcttagc acagtaatcg ctaatccctt agacaatgtt ttccaaat 480
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 tgttgttata attctgttgg ggttagtctt aatcttcgtg aaacttttc ttccatatt 600
 aggaaatatt ttccataatctctaaagcc taacttgcctt atctgactta ctgnctgaat 660
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<210> 918

<211> 741

<212> DNA

<213> Homo sapiens

<400> 918

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 aacattagct ccctgctcag cctccatgga accacaggat tgtattgtat attccttagga 180
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 gagagagaat actctggtgt ttcttcgct tcttataaag atatcagttac tactggatta 660
 gggcccttcc ctgtgacccctc atttttaccc ttttgcctc cttgaangcc ttgtctgcaa 720
 aaaaaatttt ttancccccc c 741

<210> 919

<211> 744

<212> DNA

<213> Homo sapiens

<400> 919

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 taagcaaggc aagattctca aattctgtat gaatcagctc caccccgcc ccatggacag 180
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taccccaaaa cttaatggct taaagcaact attatttctc ctgattctgt gtttgactgg 480
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 gggctggaca tccttaatg gcctcattcc catgtctggg gcctcagggtc agatagctgg 600
 gactaccggg tctcactcca gaagaggctt cttcagagca tggtagtctt ggggttctaa 660
 gagaatgaga gtagaagctg caaaacctct tgaaactggg gcttgggagt cacacatgac 720
 tttttttnc ccccttttn cccn 744

<210> 920

<211> 742

<212> DNA

<213> Homo sapiens

<400> 920

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 cccaaacccag tttcccttg accgggtgat gcctctcctg aatgtggcag tggctctct 120
 ccacccactg actgatgagc atatcttcca ggccatcaat gctgggagca ttgaaggcac 180
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 tggttacaca gaaatggtag ccctgctgct ggagttcggg gccacgtgga tgcctttcc 720
 ttnggggna aaaaaaaaaaa aa 742

<210> 921

<211> 745

<212> DNA

<213> Homo sapiens

<400> 921

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 gtgatacttg gctatatcct cacatggtgg aaagaacagg acagcactt ggagtcttt 180
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 aagaaatgag gatgaaaatc agtaggaaca agccatatta agaaagtata ttgactattt 660
 taaagtaaca gactgtgtt tcatttattc ttttgtcat tcttggagtt tcttattcac 720
 atttnaaaaa annnnnnnnn gggga 745

<210> 922

<211> 739

<212> DNA

<213> Homo sapiens

<400> 922

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 tgtcagcaaa ttgtaaaaa cctcaaaaca aatgaatatt tggattcac tctaagagat 180
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 tgataagccc catgatggat gaaggtaga attcaaagac ctgggtggag tcctagatgt 660
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 ctttttttg gggggggga 739

<210> 923

<211> 727

<212> DNA

<213> Homo sapiens

<400> 923

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 tacacatgtt agattccaaa ttctttaaa atgcttcct gatttaataa caaacagcat 180
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 agtctcagct actctggagg tttaggcagg aggatcactt gagcccgagg gttctggc 660
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 ggggnnn 727

<210> 924

<211> 743

<212> DNA

<213> Homo sapiens

<400> 924

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 aatgatagca actttgcgct tcaggccatg gaaccagcat tgcccatgcc ccctgtggag 240
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 ggggnnaaaa ttttgnnggg ggg 743

<210> 925

<211> 721

<212> DNA

<213> Homo sapiens

<400> 925

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 tccgtttaca gtgccagtaa aggaggatta gttggattt cacgtgcct tgctaaagag 660
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<210> 926

<211> 813

<212> DNA

<213> Homo sapiens.

<400> 926

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 catatatata tatgcacaat ggaataatat tcagccataa aaaataatga aatcttgtca 120
 tttgcaacaa catgaataaa cctagagaca ctatgttaag taaaataaac tgagcatagg 180
 acaaatacca cattatctca ttcatatgag gaattttaa aaattgtatgt catagaagta 240
 gggagtagaa tactgggtgc cagaggttgg agaaagcaga gcggcagggg agatagagat 300
 aaacgggttgg tcaacaggta caaagtaagc tacacttaga taggaggaac aagttctgtt 360
 gttctattgc acagtaggac gactatagtt agtgataatg tatatttcaa aatagctaga 420
 agagaggatt ttaatgttt tcaccacaat gaaatgataa ttttgaggt gaggaatttg 480
 ctaattaccc tgatttgatc attacacaat gtatacatgc attgaaacag tatactcctt 540
 aagtacatat gattgtatg tcaattaaaa acaaataaa actaaagaag aaattgctaa 600
 gggagtaaat tccaaatgtt ctcaccacaa aaataagtat ttgaggtgat ggatatgaca 660
 attagctgga ttccattt ccacattgtt ttcataaatc ataacatcct gtaccccata 720

aatatataca attataatggcattttaca atttaaaata aaaattaaaa aagaattgat 780
 ggttctgtaa ataaatttagt taattcaaaa can 813

<210> 927

<211> 811

<212> DNA

<213> Homo sapiens

<400> 927

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 gaacctgtca actctgtggg gaccgcgtga gtgaatgtcc tatctgtcgc aaggctattg 180
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 tatcatagtt tctttactag agtataatttggc ggctgtaaat gtaccagaac aaaaaaccct 360
 acaaaaatggt gttggaaatt gtgtttcttg tttttttttt aaatttggaaat catcaaattc 420
 atgtaactca taggataatt tacctttggc ttcttaagagg aaagtccctt aaggatatcc 480
 tttttttttt aattgcattt ttctttata atttggaaat ttgttgatc tcaaaagaca 540
 taatttttg tgatcagtttta tccttcattt catcggtt ttacacagt agttgataac 600
 gggttctctg agaagtcatg catcaaataa aagaggcagg tcaaacaattt atgtcacatg 660
 gtaaattata aaatgacagt acaagttcca gatagttaaat ggaataccga anggtatgtt 720
 ctttttttttt gataacagga agttacccac atgtttggtt ctgaattcntt agagtaatgtt 780
 gaacatagaa tgaggaaata atgactttgc n 811

<210> 928

<211> 813

<212> DNA

<213> Homo sapiens

<400> 928

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 gaaagcaggc aaccctgttag tctttatggt acagagcatt ataaacagac caagggcacc 180
 cagtcagtca gagtcagagc cagagaaggc tccattgtgc agtgtgcccc cacccctcc 240
 ttcagcctt gccgaaatgg gtagtgatca cacacagtca tctgcaagca aaatctcaca 300
 agatgtggac aaagaggatg agtttggta cagctggaaa aatatcagag agcgttatgg 360
 aaccctaaca ggcgagctgc atatgattga actggagaaa ggtcatagtg gtttggccct 420
 aagtcttgct gggacaacaag accgatccag gatgagtgtc ttcatagtg ggattgatcc 480
 aaatggagct gcaggaaaag atggtcgatt gcaaattgca gatgagcttc tagagatcaa 540
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 ttctaaagtg aaaataattt ttatcagaaa taaagatgca gtgaatcaga tggccgtatg 660
 tcctggaaat gcagtagaac cttgccttc taactcagaa aatcttcaaa ataaggagac 720
 agagcccact ggtactactt ctgatgcact gtggacctca gttcatttaa aaatgtgcaa 780
 catctggagc tttcccagga tcaaggggn ttg 813

<210> 929

<211> 814

<212> DNA

<213> Homo sapiens

<400> 929

acagcgctaa aaaggcctgg aggttcggac tgggtggagc tcaacacagt gtggcaaagt 60
 ggctgcagcc agactgcctc tctagattcc tcttcactgg gaagggcatc tctgaaagaa 120
 aggcaccagc cccagtcaag gggttataga taaaactccc atctcactgg accagcgtat 180
 ctgggggaag gggcggctgt gggcacaact tcagcggact ttaaacgttc ctgcctgctg 240
 actctgaaga gagcagcaga tcctgacaag gagggctctc ccagcacagc gctttagctc 300
 tgctaaggga cagactgcct cctcaactgg gtccctgacc tccataccctc ctgatggga 360
 gagacccccc aacagcgatt gtcagacacc tcatgcagga gagctctggc tggcatcagc 420

ctggtgcccc tctgggacaa agttccaga agaaggagca acagcaatct ttgttgttct 480
 gcagcctaca ctagtaatac ccaggcacat aaggctgga atggacctcc agcaaactgc 540
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 aacatcatca acataaggaa cccccataca gaaacaccat ccaaagatca aaggttaggt 660
 aatccataaa gatgaggaca aaccagcaca aaaacgctga aaattncaa aaccagaatg 720
 cctcttcctcc tncaaattgtat tgcaacttct ctctacaagg gcacaaaact agacagagaa 780
 tgagtttgat gatttgacag acgtaggctt taaa 814

<210> 930

<211> 816

<212> DNA

<213> Homo sapiens

<400> 930

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 ggatggcctg gcaagaagag ggagagggcga gagttcaagt ggctatcccg agccaaagta 120
 ccctgaagac aaacgggaag cgaggagtga ccaagtgaaa ccagaaaagg tgccgagacg 180
 acgacgcacc atggccgacc ctgacttctg gacgcacagt gatgattact acaaatactg 240
 cgacgaagac tctgacagtg acaaagagtg gattgctgct ctgcgtcgga aatatcgaag 300
 ccgagagcaa accctgtcct ccagtggtga aagctggag actctgccgg ggaaagaaga 360
 gcgggaacct ccacaggcta aggtgagtgc cagcactggc accagccctg gccccgggtgc 420
 tagtgccagt gccggggctg ggcgcggggc cagtgctggc agcaatggca gcaattacct 480
 tgaagaagtt cgagaaccat cccttcagga agagcaggca tccctggaaag aaggagaaat 540
 tccttggctc cagtaccatg agaatgacag tagcagttag gggataatg attctggtca 600
 cgagtttgatg caacctgggg tattcatgct ggatggaaac aacaaccttg aagatgactc 660
 cagtgtgagc gaagacctag aagtggattg gggctctt gatggattt cagatgggtt 720
 taggaatggc tgaagccatt tcctatgtgg accctnagtt cctnacctac atggcaacttg 780
 aagaacgcct gggcccaggc aatggaaact tgcctt 816

<210> 931

<211> 656

<212> DNA

<213> Homo sapiens

<400> 931

agagaatccc ggctcctgct gcaataagag gctgttctgg aagctctggg gttcggtct 60
 ttgtccctgc aggttggtgg tggatgaaa caggagacag cgggcttggaa ggcaccactg 120
 ggaggcggga ccgacgtgcc acagttggtg ggaggcagg cgtaggcaca tattgagggg 180
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 agatcagcat atggacagtt cttagggagat gcctctcatt cccagaagag gactacgaaa 480
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 gcaagtgaag attctccttg tgcccattc ctacgcattc catccatgtt ttagttata 600
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<210> 932

<211> 810

<212> DNA

<213> Homo sapiens

<400> 932

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 tatctgtgtt ataccatttg ggccttgttt gcttgggtt gcctctggtt cttacattta 120
 tcattaaaat ctccactgtt gaaagcagtt gggtaagca aggagggaaat tggaaagtcaa 180
 tccatatgga tggccttag cagttttgtt aaagtacaat aacaaatctc cctcacaaat 240
 gagagaaaact aaaaggactt gttaaataaa actccaaact taagtctgct tctaggaatt 300

gtatttattt atcgttcaa gtatatctt tcatactgac tatgagtaaa gcaaagcaat 360
 agattgttg aaagtctata gtttatgatg agcttgtct tttctttct tcttacttca 420
 ggcttgagt tacacaggta gccacatgaa agtccactta cccagcttag tagagaatga 480
 aatcctgaaa gaggatggat caataattaa aaggtttggg ttagcatggg gtgatgctt 540
 gccaactaac accataaaaa ttttccaat ttaagaaaa gaaggggaga atccctacat 600
 ctaccctaaa gaggatagaa aactgcctac tctccgtat tataatactt tggtaagta 660
 atggatctat tgaagtatca tccctgaagt atcctttga tacttcaaac ataatactaa 720
 gtcatancaa gaatgagact cacgcttaca cagtctgact ccctggggtt agcaagccat 780
 caacttaatt gaagccagcc tgatggatt 810

<210> 933

<211> 309

<212> DNA

<213> Homo sapiens

<400> 933

acggttgcggcc ggcaacaaca agtcccgtcg ggtggcagcg gctggcgca aaacctctcg 60
 agttagcccc tgcccgagtg ccgcggggga gaggccgcga gcgggaccga gaagtggct 120
 gggagcagag gtcgcggagg tggcgagcga ggccggggcc caggcggggga ccggcagggg 180
 cccgggagtg gcgggcacgc cagggcggcc gacctcggtt caagggcgcc tcgagggaaa 240
 cgcgctgaag ctggacttgc tgacttncga ccngccctg gacaccacccg ctnccctgtt 300
 cccctgcat 309

<210> 934

<211> 806

<212> DNA

<213> Homo sapiens

<400> 934

agtcaatgc gagctgagca gacaggcgtg caaggaaatc tggcgccgtt caatacctcg 60
 tctagcctgg gttccagtat ctaattttt ttttgttta actgacaaac tcatttctct 120
 actggacag gatgctgtgc tggctggaag ttccatttct acagcaagaa tcctatctgg 180
 aaacacagaa gttgtccctc agccacagca gctgaacct ttttgattgt cgttgctgct 240
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 agttcaggac tacttcgggtt ctttactgg gtaagcactt tcaattttt tttttaact 360
 aaaagccatt ttaaaattga atctgtttag gggcttgact aaaaatcttt aagtaatttg 420
 tgtaatggaa tactgtcagt ggatttttc gtctcatttc tgcacgtgct cctttgttct 480
 cagaacagaa gcttttata cacatcccat aacgcagctg gagagaggtt tgaagtcagt 540
 tattataagg aacacaaagg ttgctttcca ttcttgccct ttagataatt aatttttttg 600
 ttttcttaaa atggagtatt taaagaagga agaaattcac aagaaataaaa ctgttgaga 660
 atttagaaaa gtttgaagtt ttaccacct tttctatctc tagtttgtg tggccaaaca 720
 cttgtgccgc ctggggcggt ggggtagag gcaagcatag acagagagga actaaccaga 780
 catggacaaa ggccgagcca aaaccn 806

<210> 935

<211> 692

<212> DNA

<213> Homo sapiens

<400> 935

acttctgggg cagccgtgag cagcgggcac acgggcagcc acgaaagcag cagcgagggt 60
 ggtgcaaaca cctcataact acaccgaatc cagtagcgcc tggcgcccc ggcgcgcaag 120
 gcccgcctca ctccgcctca tcttgcctcc aagtcccttc acagcctgccc ttccctaaac 180
 gccccatgc gccccgtct ttgcccggagt aagcagaccg ccagcagccg gcccgcagg 240
 cagtcgaccc tctctggatg caggtcgccg ggaaaacccg gagcggagca tccctcgggc 300
 cgggaaacgc cctcgccgcg caccactgg cgccatgct cagtcgcgc ggcggctgct 360
 agtaggaagc tccgcgcggc ggcggggcgc gcgacggcga ctggcgggtg ggagtggagg 420
 caccggctgg cggcggggg tacaggacg gggcaggggc tcccgctcca gttcccttga 480

agcacttncg accgcgaagc ccggcgcgag aagcgagcta acccaagagc caacaacgag 540
 cgcggagagg gcagcggact gagcggagcc gccggccaaa agcgggctcg gagcccgggt 600
 ctccgnccgt cgggaccggc ctaggcggcg gcggggcng catgttccac tggatncccc 660
 tgtggcggtg caaccgtcat gtggagagca tt 692

<210> 936

<211> 814

<212> DNA

<213> Homo sapiens

<400> 936

tagatgaaat ctttttcgg gccaactca attgtttaa cttaaaaaaa aattcattca 60
 gttaagata aaataatgct tccttaataa aactaaaaac aaaaagcatc tttagaagct 120
 gtgtacgtta ctttattttt ttattttttt ggagacaggg tctcactctg ttgcccgaggc 180
 tggagtacag tggcacagtc tcagttcatt gcaacctccg cctccgggt taaagcgatt 240
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 cttaaggcatt tggccaatt aatagtttg ttgtttgtt tgcggcgaa tctcgctctt 480
 tcacccaggc tggagtgcag tggcgatc ttggctact gcagcctctg cctctgggt 540
 ttaaggagtc ctccgcctc agcctctaa gtagctggg ctacaggcgc atgccaccac 600
 acctggctaa ttttgnatt ttttagtagag atgggtttc cccatgttg ccaggctgg 660
 ctcaaactct tgacttcagg taatcctnct gactcaacct tccaaagtgc tgggattaca 720
 ggcgtgagcc atnacgccc gccccagttt atggntgggg taccttgagc aattcactta 780
 atctctgana cttagttgct catttgtaaa atgg 814

<210> 937

<211> 773

<212> DNA

<213> Homo sapiens

<400> 937

ttttgtttg aaacttttg tagagatgag gtcttgctgt caagaccagg ctggccaaca 60
 tggtaaaacc ccatctctac taaaatacaa aatgctggg cgtgggtgt ggcgcctgt 120
 atcccagcta ctagggaggc tgaggcagga gagttgcttg aatccaggag gcggaggttg 180
 cagtgaactg agatcacacc actgcactcc agactgggtg ccagagcaag agtctgttc 240
 aaaacaaaca aacaaaaaga actttaaaga tctggccat tgtcgaccac taacattaa 300
 gcaaactttg tgagattta cattttaatt ctattaatac tgctgtttt attgaggaac 360
 taatcaggtt aagattctgt ccaccccaa tgctctgt aactanagca ttttatcttg 420
 taaaatatat gttttcaag gtgttattct gacacttctt aatgttttg anagacaggg 480
 tctcgctctg ttgcccgatc tcaaactcct gggcttaagt gatcctccac ctccgcctgc 540
 cgagcagctg tgactacagg tgcacaccac tgcacgtggc ttgatggttt ccctataaaa 600
 tataatcatc gactgagtca cctgaatcct tttgaaacta gatgggagta aacacaccca 660
 caaataagtg cttatcaaga gtattccatt tcccggtcatt actcaaggct gcacanattt 720
 tnctaagtgc tcataaaaag ntcagtaaat aatgttagggc tatttcataaa atc 773

<210> 938

<211> 835

<212> DNA

<213> Homo sapiens

<400> 938

cattangaga gaacaatgtt aaactgaaga aaaacttgac ttacttactt ctaaatgtgc 60
 tcacctatgc atggattctg ntaaaacttc tgatgtgaa gttgggtctc ccaaagaaga 120
 aagttagaaag tttactaatt tccaaagccc gaacattgac cccacagaag aaaatgattt 180
 ggatgattct ttaagtgtaa aaaatggtga tagtagtaat gactttgtga cttgcaatga 240
 tatcaatgaa gatgattttg gtgattttgg tgactttggc tctgccagtg gctcaactcc 300
 acctttgtt actggactc aagattcaat gagtgtgac acctttgaag agtcttcaga 360

gcactttcca catttttgtg aaccaggta tgactttgga gaatttgggg atataaatgc 420
 tttttcttgc caagaggaga caatattaac aaagtcagac ctaaaaacaga cttctgataa 480
 tttatcagaa gaatgtcaat tgcaagaaa atctagtgg aacggcactg aacctgtgc 540
 aaaacttaaa aatgggcaag aaggtgagat tggacattt gattctgtgc caaatattca 600
 ggatgactgc aatggtttc aagactctga tgatttgca gacttcagtt cagctggtcc 660
 tagccaagtt gtagatttgg aatgttttga ggatgaacaa aaagatagtt ggtcttggc 720
 tgcttttgg aaccacaggc tactgaatct catcatgaa aggaagccctg gcagtcacat 780
 aggacagatg aaaatntgn tactccagga acccccaaac gcacagtgg ccctt 835

<210> 939

<211> 740

<212> DNA

<213> Homo sapiens

<400> 939

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 actgttgta gatgataatc tcttagagaa aaggggagg caggagagga agcggaatct 120
 gccagcttaa agtcacagca tc当地atacc tcaagtcctc actccaggtg aaaggagtct 180
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 ctcaaatgta atctgtttt gtgtctgaca tcaacttttta aaattttttt ttaatttaat 480
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 tccaaatgac tgggactaca ggagcacacc accatgccc gctaattntt ttaattnttt 660
 gcagagacgg ggtctccctt tggctctcaa actcctggng tcaagcaatc 720
 ctgcatttcat ttccaaaag 740

<210> 940

<211> 745

<212> DNA

<213> Homo sapiens

<400> 940

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 ctgggctgag gttatggctc gcttcgcggc caggctggc gcgcagggcc ggccgggtgg 120
 gttggttacg tcaggcggca ccaaggccc actggaagcg cggccggtgc gcttcctgga 180
 caacttcagc agcggcggc gcggtgcaac ctcggccgag gccttcctag ccggccggcta 240
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 ccagacttgg ctgtccgctc tgccgccttc gggcccagcc ctttcgggct tgctgagcct 360
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 gttgcaggct gcggcccagg cactcaatcc gctaggccct tctgcgatgt ttacactggc 540
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 atctggggc ccactgcaga taacaatgaa gatgggccaa aaactgcattt ctnctttgg 660
 taaagattgg gctcccaaag cattataat ttcccttaaa gttggaaagac tgaccccgnc 720
 attggnaatt aaatcgaagc ttccgg 745

<210> 941

<211> 803

<212> DNA

<213> Homo sapiens

<400> 941

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 tcgaggccag atcttgaaga tactcacagg gaagatagtgt gtggggcatg ccatccacaa 180

cgacttcaaa gcccttcagt actttcaccc caagtcctc acccgtaaca cctccatat 240
 cccccccctc aaccggaagg ctgactgccg ggagaatgcc accatgtctc tgaagcatct 300
 caccaagaag ctgctaaacc gggatatacc ggttgggaag agcggacatt cctctgtgga 360
 agatgcccag gccaccatgg agctatataa gttggttgaa gtcgagtgaa aagagcacct 420
 agcccgaaat ccccctacag actagtggca gtgggacgc tggtgatatg aggaggcaga 480
 ggcagcaccc aggagaaaaca gggcagtgga ccaatggaca gctccaccag ctccacatct 540
 ttggaaagcta gatttgggaa gagagaagct ctacccaga cttaataccc attgaaattt 600
 cacctcaggt gttgtgtcct gtgtctgggt aagtgtccca tggaanggaa aagccttcac 660
 gtcagaaccc aaccctatac ctntacttc ttaaatggtg ctaaccacan gtgtcccaag 720
 gtgccttgtt gcccagttaa gatTTTAAAC tttcaagggg caagggcata ctggggaaat 780
 gnantttccc aaactggcct tat 803

<210> 942

<211> 731

<212> DNA

<213> Homo sapiens

<400> 942

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 gacatttcaa tgacaacctg ctctaggagg tttctgcatttgtt aagtccatct 120
 atttatttct tctttaaac cagaatttct ggcctgtat tttactgaga aatagaaata 180
 ctatctttac aatagggtat attctaactg tctctacagc atgatggctt tgcaagctatt 240
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 gaaatgcgtt ttggaaatgc agcattgttt gaatatctat tgtgtgtgag ttgtttctta 360
 aatgtacctt aatccttaca aacctggagg aaaaaaatgt ttttgcacct gttttacaag 420
 ttctgtactt gaaatttaca taggtatTTT ttgtatgccg aagccatact gccaatgtca 480
 gaactagaac ttgaacccaa gttgtgactc tccttacca cttgatcagg agtttgctga 540
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 gtgccttatca ngtgtatgatc ccagtgaagt atgtcacagt tatgcagtaa cttaangctg 660

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<210> 943

<211> 742

<212> DNA

<213> Homo sapiens

<400> 943

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 tccactccat acgagccctg ggatgctggg gtgtgagcta ggccgtgcac aagccattag 360
 aagggtttcc acacagggga gcgtctctac ccccttatcc atgatgtcca cacccagctg 420
 gctggcaaga tcacggcat gctgctggag attgacaact cagagctgtt gctcatgctg 480
 gagtctccag aatccctcca tgccaaggta agcaggagcc cgggcagcag ggagcccgag 540
 ggggcaggag gagagctaac gacaagggtt ctcctagtgg agccagtgga tagctgtttg 600
 gccagataaa gtgtttcttc ttgctaatac ctgaaggcct gctgaatctt aagagtggaa 660
 ggggccttan gtaagggttt gctacttnag cccttcgtta gactaattct gggntggct 720
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<210> 944

<211> 745

<212> DNA

<213> Homo sapiens

<400> 944

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 gtgggtccca aggtgggacc acatcagaca tggcgagga ctagctgagg gagagaggtg 660
 ggaggtcaga ggagatgggg gccggctctg ctggcccgca cgagcactct gggtcagaa 720
 ggccaaangt gggangtcan aagaa 745

<210> 945

<211> 508

<212> DNA

<213> Homo sapiens

<400> 945

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 attacttgct tngtacctgn nttaagtt 508

<210> 946

<211> 798

<212> DNA

<213> Homo sapiens

<400> 946

actagaaaga tggcggagca agacagaaga aaggaaaagg gctcagggtt aagcgactgg 60
 aatcattcct acatgattcc tggcggcaga gacgtgacaa ggtgcgtctc agacgactag 120
 aagtgaaacc tcatacccttg gaattgccag ataaacattc cttggccctt gttgtacgca 180
 tcgaaaggat tgacggcgtg agtttactgg tgcagagaac cattgcaaga cttgcctaa 240
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 gcggtaaatt ttttatcagt gaagtggaaag catgtttttt gntttggaaa tttttatcaa 720
 gtatccctcag agaagattat ttccctgctttt atcttcagaa actggaaang gtcaaaaagaa 780
 aaagacgtan cttggctt 798

<210> 947

<211> 829

<212> DNA

<213> Homo sapiens

<400> 947

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taaattctaa ttagggttga atgttttaag gatgaaagat gggaaaggat tctagcattt 120
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 gcagctaattc cagggccag ggctgtcgaa agccagctgc tgttccaca gcgactgaaa 240
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 ttccaaagtgtatg tttttcca ccgtggatgg agtagctcta agtgctttag gagacagctt 420
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 aaaaagttagg tctctgttagg taaaatgtgc cttccgtact aaacagctcc tccaccctgc 600
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 gcctggctca gcctccctgtt agcatatgtc acacttcctg ccangtttat ttctgcagca 720
 ccctgcagga gacagcagtc tctgatttcac agacccatg ttatccttag atgccttgc 780
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<210> 948

<211> 766

<212> DNA

<213> Homo sapiens

<400> 948

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 aggcttcgtt tattagcagc ttttgtcttc caactcagcg gcaggttgc cttccccac 180
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 tattacctca ttcaaaagtt tcattccagg gctttatatt acaagttggc agtggagcag 480
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aagctcatcg acagggaaaa cttcgtggac attgttcatg ccaagttgaa gattccgttc 600
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 aggtggcgcc ttgacgaggt cttttagag ctaaggatg gtcagcagat tcctgtgttc 720
 aagctcantg gggaaaacng tgatgaagtg aaaaaggagt ngagac 766

<210> 949

<211> 838

<212> DNA

<213> Homo sapiens

<400> 949

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 gagttttcta aaagctaaag ccctgagtgt caggagatgt gggtttaat gtagagtctg 180
 tcattatatt gtcctgggt agtagtcaact tctctggcat tggcagtcct tgggttaaa 240
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 tttactgtgt agagaattgg aaatggacca gaggcagttt cccagaatag gtcattattt 480
 ggtgttagta attggtcatt cacgcattctg cataccctt gtttccttaa gtaactctcc 540
 tttctggtaa ccaccttagg ttgtcaagg tggaagtcat gtggtaatcaa caaatggaaa 600
 cacaagtgtg ttaggtatta gattcattttt cctgtccccca aagtaccgt ttggtaatgc 660
 tggcagaaga catacatgct gcacaacaatc ataggaaaaa aagctccaca tcactgtatc 720
 ttagagaaat gcaaataaaa accacaatga gatgtatcc catactagca gaatggctat 780
 taaaaagtca aaaaataacc gatgctgcna gtttgtggag aaaaaaggac cncttncc 838

<210> 950

<211> 804

<212> DNA

<213> Homo sapiens

<400> 950

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 agactggtct cctccacttc ctcaagcgcc agcagcgcgt agccgaccgc gtgctcaaac 120
 agcacgtgca acagcacctg gaacgggagc cggggcgca gcgtcaacgc aacctcagcg 180
 tctgccgaa cccgttccca gggcaggcgc aggcgaggc gcaggcccag gcccaggccc 240
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 gcgggcgtgg ttgccgggaa cgccgcggcc cgggtcggc actgcaggcg gcgaaacgac 600
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 gcagcaganc tgggtgaaag tcggggcggg aggtccgcgt ggggcgcggc gtccattcca 720
 gacagagacc gcttgctacc gggttcccgc ttgtccntg ggcttgggnccaaaacctt 780
 gggcccaactt cccnggacca agcg 804

<210> 951

<211> 850

<212> DNA

<213> Homo sapiens

<400> 951

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 tacctacttt gagcagcact attacagtaa ttgcctcata tcatacatgga aacaacacta 180
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 caacttgata ggactaacat caggggatat ggattgcca cccagagaaa agcctccaa 660
 taaaaggagt atgaggatag tagtgactc agaatcaagg aaaagaacca ttggttctgg 720
 agagcctgga gttcctacaa aggaagaact tggtttgata aaccaaattt taatnggaac 780
 aaaccagccc aagctttca anaagaaggg tcaattttgg gaaatgaaaa tnccaaagctt 840
 gaactttaaa 850

<210> 952

<211> 833

<212> DNA

<213> Homo sapiens

<400> 952

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 aaatatggtg tcctgccttt tttgtgaaa atgtaatttgg aggttgaatt ttctgcttta 180
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 aaaatgtaaa tacattttta taaccaatgt tttgatctt ttaaatgtt cttgaaaaat 660
 gtataactat tgcctgcaat gtagatgagc cttttagtag agctgatttta ttccagtaac 720

ttcttcata tttctcaact aatctccgtt agccaaaata tgccagaaat gggaaagaga 780
 ggagaaaaagg cattacatta acacctatct ggnctatcta ctcctancg ggn 833

<210> 953

<211> 757

<212> DNA

<213> Homo sapiens

<400> 953

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 gatcaagaag atcaaggctg cantgagcta tggcatgcc tgnactccag cctgggtgac 720
 ataggttagta gacctgctca aaaaagaaaa gaangaa 757

<210> 954

<211> 818

<212> DNA

<213> Homo sapiens

<400> 954

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cgttagtggtt taaaacaaac atttatcacc tcacagttc tgtggttcag gaatccagga	180
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<210> 955

<211> 719

<212> DNA

<213> Homo sapiens

<400> 955

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aggaaaaacca tctttgtatg gcagcctgac ttgtcaagga attggcctag atggcatccc	180
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<210> 956

<211> 777

<212> DNA

<213> Homo sapiens

<400> 956

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 ccaggataac cacagtccctc ttggaaatag cattttaaaa gttgcaacat ggttatgaca 180
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<210> 957

<211> 832

<212> DNA

<213> Homo sapiens

<400> 957

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 ctcttgcctt atactgggg aggccacctg gggagacatg gccttgcgtt gctatctgtt 720
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<210> 958

<211> 798

<212> DNA

<213> Homo sapiens

<400> 958

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<210> 959

<211> 812

<212> DNA

<213> Homo sapiens

<400> 959

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 tatattacca gagtacaaaa gtgggcttat atctttcac aaatagaagg cctatctcaa 660
 tggtaaagct actgggttgg a ntagtgata catggcgtac tctattctgt taaggtctag 720
 aagtcttcat aggaaggata agtccacatg angntcgcat acttcagatc aatattgagc 780
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<210> 960

<211> 825

<212> DNA

<213> Homo sapiens

<400> 960

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 acagcaacca aaacagcatg gtactgatac caaaacagac atatagacca atggaacaga 180
 acagagactt cagaaataac accacacatc tacaaccatc tgatcttga caaaactgac 240
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 gaaaagtcaa actggacccc ttccttacac cttatacaaa aattaaatca agatggaaac 360
 aagacttaaa tgtaaaaccc aaaaccataa aaactctaga agaaaaccta gacagtacca 420
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 aagccaaaat tgacaaatgg tatctaatta aactaaagag cttctgcaca gcaaaagaaa 540
 ctatcattag aatgaacagg caacctacag aatggagaa aatgtttgtatctacccat 600
 ctgacaaaag tataatatcc agaattaca aggaagttaa acatattac aaaaaaaaaa 660
 caaccctgtc aaaaaatggg caaaggatat gaacagacac ttntcaaaag acattcatgc 720
 agccacaaac atatgaaaaa cagccccat actgtcatca gagaaatgca aatcaaaacc 780
 ccatgagatc catctatgcc agtcagaatg gcaatattta aaagn 825

<210> 961

<211> 765

<212> DNA

<213> Homo sapiens

<400> 961

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 aaatgttgggtaa gaaagtatca gagagcagtc ctccctggac tacgttctc tgaagaatgc 660
 cgaagactta gatgttaggcc aaaacaatat tgagactata taatcaagcc ccaactncta 720
 tttcgggtc ctnacccgca aacgcantga tggcaggaaa tccca 765

<210> 962

<211> 608

<212> DNA

<213> Homo sapiens

<400> 962

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 taaaaataac cttaaaaaat cccacatact gaatgccaca tgaactaaaa gcatgaattt 360
 attaccaaaa gttgtttgtat aatctaataat ttcatatggat atcttactga acagcattca 420
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 tccatctatc tattttttac atttatgtat tgagggagaa cgttagatggg agttttgagc 540
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ttcngggaa

608

<210> 963

<211> 714

<212> DNA

<213> Homo sapiens

<400> 963

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 tactttgga agttgaattt tgaagccacc ttgtgagca gtatattact gtctatactt 180
 gctcaatgggt ttagaggagg tgggagggaaa gaaattgc_{aa} aagataaatat gctagtgtgt 240
 tcatacttgg acatttcag acaccattt tctgtatgtt ttgtgcattt tg_{tttt}gctc 300
 tgtatatagt gtatataatg gacaaatagt cttaatttt taacatctag aggttgc_{cc}cag 360
 tgtatgacaa agtagtaaaa ttaacatatt ttgtatgctt tgtgtgaaa ttcataggaa 420
 aacttgtctt ctgttaattga ct_{ttt}gcata ggaatttgc_{tt} cagccatctc taagcattac 480
 acatgcgtgt acttgtccac tgaattgaag gcagagaagg aagagaagag ggaatgattc 540
 aaggccaaaa tggcacatt tagaagatcc tttagatgata accattgnta t_{gtgtgt}gca 600
 gtttatttaa cagtgc_{cc}gt gtacatggtg gacaagctat gaaatatcta gtcttanat 660
 gtttggaaat gcttgatgta tttaaagnna ntagtagtag aataacactt ttg 714

<210> 964

<211> 776

<212> DNA

<213> Homo sapiens

<400> 964

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 ttatggtt cccttatgc cagtggaaa acagccagag aggttgatgta acttgtccag 120

gtttatatgg ttaataagtg gtaggatta gtaactaggc cagacccttc tatggcctgt 180
 ttttatctct aagatgatcc ccagtatgtt agacttgaaa ctatggatgg agtaaaaat 240
 attctctgca aatacatcaa cactctgaaa gccattgtt tctctgtta gaaagtagtt 300
 gaaaaagtag tgagaaacta gagcttttc tttctggtg ttagttcag cttcctacct 360
 tgaagggAAC cttaggccc aaaccttctt tttacattt gaggattcta agtccatgca 420
 tctcgaaac tatggagacg ggaacttctt gtgtgagttg gagagcagtt gtagaccgtt 480
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 tacctttatt gacaagctct actgtgtgac tggcagttca gttcagcaga taggtttcca 600
 gcactaatct taggcactgg gatagattcc cgagatgcaa aactgaagaa aataccttga 660
 gacaagtcag tgccatctca aattnattt cctcagaaat caagattttt gagcattga 720
 tggttttaaa ttagagtctt tcaactaat accngtatga agttttttaa accctt 776

<210> 965

<211> 736

<212> DNA

<213> Homo sapiens

<400> 965

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 gtgtccggc gtggcgggaa gccggcactg gagcgggagc gcactggcg cgggaccggg 180
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 gaccttggaaag ggcccagcct tgggctgaat ggcagcaccc acgccccccc gtccgggtct 480
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 ggtggagcta cctgtgggtgg tcaaagagct tcagagggtt ggagcctncc ctcttacgtc 600
 tctgtgcttg tggctctggg gaacctgggt ctgctggtg tgaccctntg gaggaagctg 660

gccccaggaa aggacnagca ggtcccatn cggtggtgca agtgctggc atggtggcac 720
 aacccttggt ggcttt 736

<210> 966

<211> 854

<212> DNA

<213> Homo sapiens

<400> 966

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 agatgacagc cagagacata aaacaaacct aaaaatgatt aaaagaattg aaataatcaa 180
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 catatgaagt agctaaatca gggcttagag ggaaatatgg aggattaaac cctcatatta 420
 gaaaagaaaa aaagaactgc aatgagcaat ctaagctct acctaaagaa actagaaaaa 480
 gaagagcaaa acaagtctaa agcaagcaga aagaaggaat ttataaaga taagagtga 540
 tatcaatgaa ttgaaaaca atagtggaga aaaccaataa aattaaaaat ctggttttt 600
 aagtatatca agagctgata aacctctagc cagattgaca aggaaatatg acataaatta 660
 ccattgttaag gcatgaaaga nggcatatca ctatagtccc cacaaaaata taataagcaa 720
 acaccatcaa gagctctgtg cacataaatt cacaatatag atgaaatgga ccaaattccta 780
 gaaggaagaa gctggccaaa ctatccccaa atatccctt atatctcaat aaattaatgn 840
 ntaattggat ctta 854

<210> 967

<211> 461

<212> DNA

<213> Homo sapiens

<400> 967

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 gtctggacct gccccaggac ccctgcaatt aggcctccca tgcagaggc agttagagcc 120
 caagccaatt gctctaggcc ccgtggctgg ctacttatgg ggcactgtcc tgaccagctc 180
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 gggggccccc gcatacgccca ggacgcccag gccggccgc cggggaaagcg gcaggcggct 420
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<210> 968

<211> 805

<212> DNA

<213> Homo sapiens

<400> 968

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 agggacttgc cgccatcacc cctgctgccca ccaccgcagc ctcgggctcc cagggcggac 120
 acggccacccg cctcagcggg agaggagtct ccaccaggac tgaccgctgc cgcccgac 180
 gtccaggtaa ggtactcaac tgggtgggt actacataaa tcctgaaaga ctacaataaa 240
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 gcagaaagct ggtgttacac acaggttaaa gtggtaaat tttctatat gtggaccatt 360
 aataacttca gttttgtcg agaggaaatg ggtgaagtgt taaaaagttc aacattttca 420
 tctggcccaa gtgacaaaat gaaatggtgc ctgagggtaa acccaaagg attagatgt 480
 gaaagtaaag actacttgc ttatatttg cttttagtca gctgccccaa aagtgaagtt 540
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 agggacttt tgcttgatga agtaatggt cttttaccag atgacaagct tacattattt 720

tgtgangtga gtgtggtcca agattcanta aacatatcg gacatactaa ttcaaatact 780

ttgaangtgc cctgatgtcg tctac 805

<210> 969

<211> 543

<212> DNA

<213> Homo sapiens

<400> 969

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gaagactgag tcattggagcc catatcctcc ggtaactgcc agtgcctgg ctgggtatg 120

aattgttgc agcacttcag gccaaaggga gtgtggtgca ctgctgcact cttagggtca 180

aacttggatt ctgtaatgat ccattactga aagcgttctt gatctttata tataggttt 240

gtgggtttt tttttttta acttaagtct gttaagttt cagaaaaacat ttaataaaata 300

cttttgtgt gtgactttcc tcacgattct tcattcatact acttttaat ttgtgtttaa 360

gttttgttga ttctgttaaa tgaactttat tcacattcat aaagaacact gtactttgtt 420

cattatgtata gtcctaata atcctgatga ctggtaaca agtaaaaact aaaacccaga 480

ccggcgcag tggctcacac ctgtaatcct agcacttgg gaggccaagg canntggatc 540

gan 543

<210> 970

<211> 445

<212> DNA

<213> Homo sapiens

<400> 970

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tcttcaaaat tgcatttca cattttgaat tacgttatct ttgacaaata cagaagatgt 120

caaattttgg ttatttctt ttggttctaa ttatatttt tgttaaaac tatatttttc 180

actatact cttctgtct ctgcagggcc ctgtataatg aaaaagaagg ctggaaaaag 240
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 aaacttttg tatcttgtgg gttaaattag gattactatg tggtagtgat aaatgatgtt 360
 aattagggcc gagtgcagtg gctaaccacct gtaattccag catgtaggga ggcttgagg 420
 gngaggatgc ttgnatccng gagtt 445

<210> 971

<211> 841

<212> DNA

<213> Homo sapiens

<400> 971

tttggatta cccggatggg ccctaaactc gatgacaggt gtccttataa aaaatacaca 60
 tagagggaca cagacacagg ggagaaggcc atgcggagat ggaggcagaa tcatgcagcc 120
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 ccacacccag cacctggaga gcacttgatg aaggtagcc ctcatacaga gcatcattta 480
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 aagaattaaa gtgagaaagg tcctcaggnc tgcatgattt ccgccatggc ctggaggatt 840
 t 841

<210> 972

<211> 821

<212> DNA

<213> Homo sapiens

<400> 972

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 ttgttatct atctgcttaa cctggggaaa gacaatttc tctaaatttc tgtaaattct 180
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 gatagacata gactaaactc ctatggcaac ataaaggcca ctttggattt acccatcacc 720
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<210> 973

<211> 868

<212> DNA

<213> Homo sapiens

<400> 973

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cccacggcag aatatttatt tctgtctctt agaggaaggg ttaactccca ggtgggttt 240
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 aaaatcaata gttaagaaag gttaatagca ctgattctc ctaaatagcg ttttttcat 420
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<210> 974

<211> 807

<212> DNA

<213> Homo sapiens

<400> 974

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tgaatacatg gagcatactt acctcatcca caaggccagt tcactctcg atccgtgg 660
 aaggatgcag tgttagctg cggttgctgn atctgctgg gcttctcaat gggAACGGAC 720
 tggaaaacct ttcaacccac tgctggaga gacttatgaa ttantcnag atgaccctgg 780
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<210> 975

<211> 834

<212> DNA

<213> Homo sapiens

<400> 975

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 cagagaccat agccatcgtg gagcacataa acgccaagtg tcctaacctg gagttgtgg 480
 ggctgatgac cataggaagc ttgggcattt atcttagtca aggaccaaattt ccagacttcc 540
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 aatgtccgaa taggaagcac gatTTTgga gaagcggat tactcaaaga aacccacccc 720
 ggacaagtgc gcagcagacg tgaangcccc gcttgaagtgc accaggag cacttgagcc 780
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<210> 976

<211> 745

<212> DNA

<213> Homo sapiens

<400> 976

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 cacgactta ctctccagct taccacttgc cagccgttg acacgggtga gttactcgac 180
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 tgtaaatatt tatattttgg ttgacacag tgaaggaaga caaggganga attggtaan 720
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<210> 977

<211> 814

<212> DNA

<213> Homo sapiens

<400> 977

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 tctagatgt aagagctatg cacgttttt ttcaaagagc atcgagactt tgagagttca 240
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tagatttgat atcaaataa tggcagggaa cattattcct gctattgcta ctactaatgc 420
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 gtgcagaaca atttttga ataaacaacc aaaccgaaga aagaagcttc ttgtgccttg 540
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 gcggctgaat gtccataaag tgactgttct caccttacaa gacaagatag taaaagaaaa 660
 atttgctatg gtagcaccag atgtccaaat tgaagatggg aaaggaacaa tcctaataatc 720
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<210> 978

<211> 812

<212> DNA

<213> Homo sapiens

<400> 978

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 cctgtgtata ctaagaccat gcatactgat aatcagctt atttacaaa agagttcgc 180
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 gccttaaat tatggaaatg acaagggtta caatgtcaga atgagcagta aacctcccc 480
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 tctcaatgca catatcagtg cgcaaagcac taaaattcca ggcaacactt tgtattgaga 600
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 cagattaaac cctcacatga tcatgtaaagc tatgcagttt cccaaagctgc atcattttaga 720
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 aataccgnta angtaggccc actagctgtg tt 812

<210> 979

<211> 811

<212> DNA

<213> Homo sapiens

<400> 979

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ggcttcctca cccccctcagc acaggaggac tccctgttagc ctcagaagat ggagctctca	180
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cctggggccgg catgcttctg gactatttcc agcaactggc tgtgtttgtg gaggtgaaag	360
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tggagttgct gtgtgccagc agtgtcctca ctgccttcct tgcagccctt gccctgggg	660
tgctgatggc ctgtatagtg attggtgctc gaaagctgg ggtcaaccca gtgtgggtcc	720
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catnctggcc atggtcatca ncagttcgg a	811

<210> 980

<211> 810

<212> DNA

<213> Homo sapiens

<400> 980

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ttctccctt tccctactta taataaatat tattgtatag atgttactgc tcaagttagt 120
 gttatgatat caatgactta cagtggcca tgatataa aatgacagat ttaaagatta 180
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 ggaattataa atataacaca gtatgttatt aattcacagg aaatcttagc aaatgcagct 540
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 ttgccttagta tnttatgttag aaaatttaag agtattgtat acccttgag aattaattct 660
 gtatatcagc agaactctgt ttaggtggta tttaatgcat ttgctgctgc tttcaaaaaa 720
 aatttgtttt cctttggat ttataaattt gtcatncang atgcagaaaat agtcttattc 780
 cctgctgatt ggtcacttaa tgattaaatg 810

<210> 981

<211> 746

<212> DNA

<213> Homo sapiens

<400> 981

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 ggggaccggc ttttggcggg tgagggtccc gatgtctgg tgtacagctt ggactttgg 180
 gggcatctgc ggatgataaa gcgagtgcag aacctgcttgc gccactatct tatccatggc 240
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 ggaagcaagg gactccgagt tgtaaaaatt agctggggac agggccactt ctgggagctt 360
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 aatatacgct tggccctggg ccacaactca gtgggtctat atgaccctgt agtagggtgc 480
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gacgcctgga aggagctgac catagtggca ggtgcgttt ccaaccagct ctgggtctgg 600
 tacccagcaa ctgccttac cctatacctc tctgcacgtn ccaccccgtt ttgctgtgtg 660
 ctcaccccca ggatgtgtac ccgggtttag taggagctga aatccatgct gagctgtacc 720
 agaataaaaga atagagtgt aagtgt 746

<210> 982

<211> 808

<212> DNA

<213> Homo sapiens

<400> 982

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 aaatagttt aaaagtaaga ccttgcaagg aacatggatg ttttgcata aattctgaaa 120
 tgatcacctt tacactaatt tcctatttc tcttcgctct tggatgat aattattaga 180
 ctgaaatagg ttcttttagt tacatttcta atcttgcaag tacacttggaa agtctacata 240
 cccagagaaa ataagtgttag aatcatgatt ttagcatgag gatttaaaaa cttttccat 300
 tattctatct tgctggctta aaatttagtac agctttctt cttgtttgtt ttatatttt 360
 accttgaat gtttctcat gtaaaagtgt gttgagagga ttgaggaga gggtttatgc 420
 tgctgtggaa atattttcc ttcttttgg ttaaatctgc tcccccttgtt ggtataatct 480
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 tccttaccag atgttaggct aaatgcttcg tatacattt ctcattcaat catcacagcc 600
 accttggaa agagatataa ttatcattca gccctattgg atagatgagg aaacacagga 660
 ttagaaacta taacttagtga gttgttagaac tatgagttga acttaaattt gctcattcaa 720
 aatcccataa ccttaatttc tctgtcatac catcttcaag agcactccag aaggaaaact 780
 ttctcattga gggctacaga aatcttgc 808

<210> 983

<211> 812

<212> DNA

<213> Homo sapiens

<400> 983

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 ctgaatgatt ttacttgat gtgggatcta aaaatgtcca attcacagaa gcaaagacta 180
 gactagtggt tgccagaagc tagagggtta agggattggg gagatgttac tgaataaca 240
 caaaattca ttagacagg aggaataact ttaagagatc tattgaacat cacagtgaga 300
 acaatatatt gtatatacta aaattacaa aagaataaat ttaagtgtct ctcAACACAA 360
 ctgtctggcg gcggcagcat ggccggcgccc gcggctgagg cagctgtac gcccgtggag 420
 gaggtcggt cagccggca ctttggggag ctgctgcgcc tcaaagccaa gtccttcctt 480
 gtggccatt tctggccacc atgggctcca cagtgtcac agatgaacga agttatggca 540
 gagttagcta aagaactccc tcaagttca ttgtgaagt tggaaagctga aggtgttcct 600
 gaagtatctg aaaaatatga aattagctt gttccactt ttctgtttt caagaattct 660
 cagaaaatcg accgatttga tggtgacat gccccagagt tgaccaaaaa agttcagcga 720
 catgcata tggcttcctt cctatccagc gctaataac atctaaaga agatctcaac 780
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<210> 984

<211> 808

<212> DNA

<213> Homo sapiens

<400> 984

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 ctggtaatt tataaaggaa agaggcttca ttgactcata gttccacatg gctgaagagg 180
 cttcacagtc atggtggaaatg atgaaggaatg agcaacggaa catcttacat ggtggccagc 240
 aaagagagag cttgtgttagg gaaaacttncc tttataaaac catcagatct cgtgagactt 300

attcaactatc acaagaatag cacaagaaaag accccacccctc atgattcagt tacctccac 360
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 catagccaaa ccgtatgaat acttcatct gttcatgga aactgttaatt atagctgcat 480
 gctctggaga caaaatgcct gggttcaaattttcatgtgt ctatgttta gctgtgtgac 540
 cttaccatc agattcccc taatctctaa tcagcacctg tnaactagaa ataataccag 600
 taataacctc atagggattt tagaaatacc aaatgggana atccatanaa agtgttttagc 660
 tcaataacctg gcccataata agcattcata atgtattcta gtaattgttag aatagcagca 720
 ggaggagtaa aagaataaag cangatgtca ggcagaaata aactactctc gaatccttc 780
 tttaaaataa nagtgtcat gtgtngaa 808

<210> 985

<211> 808

<212> DNA

<213> Homo sapiens

<400> 985

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 tactccagg acctccaggc cccccgggac ttccctttc ctcacctgct ggaggagatc 180
 ctcagcggcg ctttgcggag ggacccagt aaatcaacag actggaaaga tgatggttgg 240
 ggagcatggg aagaaaatga accacaagaa cctgaagaag aaggaaatac ttgcaaaaca 300
 caaaaaactt cctggctcca agattgtttt ttatccttat ctccaacca tgatcttatg 360
 gtgatagctc gagagcaaaa agctgttattt ctatgtccaa aatggaaata tagtgataaa 420
 ggaaaggaag aatgcaatt tgctgttggc tggagtgggt ctttaaatgt cgaagaagg 480
 gaatgtgtaa ccagtgcct atgtatccca ctagcaagcc aaaagaggag ttccactggg 540
 cgtcctgact ggacctgcat tgtggtggtt ttacttcag gttatgtacg cttctacact 600
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 tgcagaacct atgaaatacc acgacatccc ggcgtgactg agcaggttagt gtaaaaaatt 720
 gtgttccaaac agtaacagtgcattatgtt gaagcagttt ctctccctt ttttaggttag 780

aaacttaaaa gagatcttg tcttgnngg 808

<210> 986

<211> 787

<212> DNA

<213> Homo sapiens

<400> 986

tcctggcgt catggtgtgg tattccatct cccggagaaga caggtacatc gagcttttt 60

atttcccat cccagagaag aaggagccgt gcccccaagg tgaggcagag agcaaggcct 120

ctaagctctt tggcaactac tcccgggatc agcccatctt cctgcggctt gaggattatt 180

tctgggtcaa gacgccatct gccttatgagc tgccctatgg gaccaagggg agtgaggatc 240

tgctccctcg ggtgctagcc atcaccagct cctccatccc caagaacatc cagagattga 300

acaatgcccc agtggctggc tatgagggtg acgtgggctc caagaccacc atgcgtctct 360

tctaccctga atctgcccac ttgcacccca aagtaaaaaa caacccagac acactccctcg 420

tcctggtagc ttcaaggca atggacttcc actggattga gaccatcctg agtgataaga 480

agcgggtgcg aaagggttgc tgaaaacagc ctccctcat ctggatgtc aatcctaaac 540

agattcggat tctcaacctc ttcttcatgg agattgcagc tgacaaactg ctgagcctgc 600

caatgcaaca gccacggaaag attaagcagg atgcggattt tggtcagagc cggtcatgtc 660

agagctcanc agaatggcag ctgaccctgg gagatcactt gcctgttctg agaaaggcct 720

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<210> 987

<211> 840

<212> DNA

<213> Homo sapiens

<400> 987

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 tatgcaagaa gactctaaaa tgcagaaga ctccigaagt acttcttacc aaagatgtag 180
 aacttaaatt cagtcataac aatacatgag acaaacccaa gttagagcac agtctgcaaa 240
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 acaaatgttt caggagaaat atgatcttt tagtggtctt gcaactttc tgtaagtctg 600
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 agacgttcaa acactgagtt acctcatgaa taatttaata ggttatgcag ctgattttc 780
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<210> 988

<211> 412

<212> DNA

<213> Homo sapiens

<400> 988

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 caaggattag aagacaagtc gaatgacatg ttttggaa tagaaaacta ctcttagaag 180
 cttagaaggaa gaaaattcaa tgcttagagc cttacctatt gaaacggatc tagggagcag 240
 ttaaaagcca tgaatatatt gatataaaat caagaaggcc aaaaatttagt tacactgagt 300
 gttcaactca aaaagctagt aagagagccca ggtattaaaa tttaaaaaca acancagtaa 360
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<210> 989

<211> 840

<212> DNA

<213> Homo sapiens

<400> 989

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 ggatccttca ggatcattac atctggcagc aacatcttca ataaatgata gtcgcatgtc 300
 aactaagacc acgtccattc taaaactacc caccaaagca ccaggttga taccttatat 360
 tacaaagcca tccactcaac ttccaggacc ttactgcctt attccttgta actgcaaagt 420
 cctatccccca tcaggacttc taatacatttgc tcaggagcgc aacattgaaa gcttattcaga 480
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 tncaagatgc cagctcatttgc tcaagaaaca ttttagaaaa agaaaggaa cttcagcaac 780
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<210> 990

<211> 780

<212> DNA

<213> Homo sapiens

<400> 990

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agaggtcagg ttaagagaaa gtagcaacat acttctatta ttacatggg gatTTTTT 180.
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 actttcacan gggTTTTCC aattcagact ttcggggcta tggcttactc ttacacatnc 780

<210> 991

<211> 838

<212> DNA

<213> Homo sapiens

<400> 991

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 acaaactgaa aatccctcct gaagaaatga aacaatgga acaaaagtgg attagagact 180
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 tttgtttaca gtatggtgca gcacttattt acacttcgtt aaaagaaaaac aaaaatata 480
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 ttgttggaa aaaggatgca gtatTTTt cagcagggtg ggataatgtt aagaaaaatag 600
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 ggttcttatg aagctacagt cccttttagc aaagcaacca ccaactgcag ctggaaagg 780
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<210> 992

<211> 714

<212> DNA

<213> Homo sapiens

<400> 992

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 tcatgaggc agggtaacctt ccactgtgct tcatgaggc agggtaacctt ccactgtgct 660
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<210> 993

<211> 793

<212> DNA

<213> Homo sapiens

<400> 993

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 gcttcata aatcatgtcc tccatatcat tgataacctc taaattacat cagtcccgt 180
 tcctggatct cctctccga tctggatta aactgccctg cttaggcctc atttttctt 240
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 ggctatctca gacagttta cgaaaaatat ttcttacaga gacagaaagg attnccaccc 720
 agttaaatgg ttcatcttct gngatttgcc ctgcaangga gctcatctgg tggaaaag 780
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<210> 994

<211> 839

<212> DNA

<213> Homo sapiens

<400> 994

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 gctggtcttg ctgggagatg cagtctcata aacacttcca gcccttttgt cactgggctt 720
 gcaacgctac aatcctacat ggaccggcc caaggaaatg tgcccgact ggangaaaag 780
 cangttgtg caagcctntt tggcttggtg ggaattgcag cttataaaca cttccagac 839

<210> 995

<211> 760

<212> DNA

<213> Homo sapiens

<400> 995

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 taacgtttta ttgccctgct gtttctcca ggataattgg aacagcatgt attggttggg 180
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 ctccttccag gtaactttt ctatgattag acaattgatt tgttcaggg cacagagcaa 420
 agtccacatt taattccaca tggccaataa aagtgggg ctacaagggt agatccaggg 480
 gcccaggtta tcaaagtgtat acagcactt taggaatagg acaggaaatg gaggaattgg 540
 aattccagta ttacttcaa aagcagaact ggccagagga attggaattc cagtattatt 600
 ttcaaaagca gaactggcca gaggtgcttg tgattcctgg gtggaaacca tggcagtgg 660
 cagaagcagc atggaggaaa agagcactgg aattcangct gaggaactgt gaagccaaag 720
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<210> 996

<211> 842

<212> DNA

<213> Homo sapiens

<400> 996

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 ccctgcagtc acctccctcc tgaagggtgcc ggagcgcct gatggcactc gcaggagagg 180
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 tcaaagttag agattgacca cggccctct aactctgtcg ccgttgttc tttattaaaa 480
 gtcagattga tggtaaatta ggatactacc cgactgaata ctatcctgc tgttaaaaat 540
 gattatggag atcatgcggc tccatggaaa aatgctaattt attctgtgcc aagtgtaaaa 600
 agccaaattc agcatggtac tcttgctgtg cttacagtttataaaagtc atgcattctgg 660
 actggaangg aatttggaaa aatcagattt atggataaa gttgatttat ggcattnggg 720
 gctaattttc agatttcctt ttttaaaaaa ccataatgtt cctgcagtaa gttttaaaat 780
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 tg 842

<210> 997

<211> 747

<212> DNA

<213> Homo sapiens

<400> 997

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 ttttctgctc ccagtaggtt gtgattctct gtttcaact tgtctccaat ttccaaggta 180

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 tccatccgcc tgcagccggg agactcagag cctgggaggg gcctgaggcc cgggcccggc 600
 cctccttctt ccaggtcaca ggttaggtgag agacaaatgg ttgcattctt ttgagttct 660
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 acattnataa gaatgggang caggttg 747

<210> 998

<211> 708

<212> DNA

<213> Homo sapiens

<400> 998

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 gagctttgat aacgtaccat atgcagaagg agttattcct gataaggcta aggcttgtct 120
 ctgttggcac cagctaattgc aatggcagg tttctgttg gtgtgggct cctgcctact 180
 cctaaccac ttactcagac tggcgctgtt ccacccgctg ctttggggc tcctactctt 240
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 catggtggt caggccagta atcccagagc tttgggaggc tgaggagggt ggatcacttg 480
 aggtcaggag ttcgagacca acctgaccaa catggtaaaa cttgtctct actaaaaatt 540
 caaaaattagc cgggcatggt ggcgcattcc tgtaatccca aatacttagg aggctgangc 600
 aggagaatcg cctgaaccct ggaggcggan gttgcagtga gccgaaattt tgccattgca 660
 ctccancctg ggcaacgagc acaaaaactct tggctcaaaa aaaaaatn 708

<210> 999

<211> 823

<212> DNA

<213> Homo sapiens

<400> 999

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 gaagaagaag gaaggagcag ctggaatcc ccgagtccgg cctgccagca caggagggct 120
 gagcctgctt ccccccccc caggggggaa aacctccacc ctgatccctc cccctgggga 180
 gcagttggct gtggggggat ccctcggtcca gccagcagtt gctcccagtt caggaggtgc 240
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 tattaaacac aagcccccca agcaaaaagaa gaggntgagt ttgctgccag gattcagatc 720
 agccctttcc agggtctgca gtgtacatga tcacagttt acgggaggct ttncgtacca 780
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<210> 1000

<211> 765

<212> DNA

<213> Homo sapiens

<400> 1000

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cgccgacgcg gacggcttgg cccctgatgt gccgctccc gctgatggc ccgagcgcct	180
ggcactctca cccgaagaca agcccatccg cttgtcccc tccaagatca cagagccgct	240
gcgggagggc ccggaggaag aaccgctggc tgagcggag gtgaaggcag aggtggagga	300
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ggaagccatg gctacccca gccctgcagg ggttgtgga ggtggctgt tggaggccca	420
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gaacgagttc cancccaccc tttagaaatgt cagacttgc acgtgcccgc cggggangga	720
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<210> 1001

<211> 739

<212> DNA

<213> Homo sapiens

<400> 1001

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ggcaagaatg tcattgttgc ctgtggatg cacatggct tcaatgacga cgttagatgt	180
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gagaccgtgg agcgtgggtgg gaaggtgctg atacctgtgt tcgcgtggg ccgcgcggcag	480
gagctctgcg tcctccctgaa gaccttctgg gagcgcatga acctgaaggt gcccattac	540
ttctccacgg ggctgaccga gaaggccaac cactactaca agctgttcat ccctggacc	600

aaccagaaga tccgcaagac ttgcgtgcag aggaacatgt ttgagttcaa gcacatnaag 660
 gccttcgacc gggctttgc tgacaaccca aggaccgatg gntgtttg ccacgccagg 720
 gaatgctgca cncttggca 739

<210> 1002

<211> 843

<212> DNA

<213> Homo sapiens

<400> 1002

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 cacaggcctc tggtcacaag accacgacgt ggtcccccc tgctgctagt ctgtctgcc 120
 ctggggcct cccaacatcc atagcacact tcagcggaaag gaccccgagaa actgttgt 180
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 cgacagtgca gaacanaaca aaagttagttt agggtcgtt aaattgaagt gttttctt 480
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 aaggcnagtg aaaaggacaa gaaggccaaa cccatccaa aaagaaacta ngaaaaaaaaa 720
 gattttctt gctaataatag atgtaaaaat aacatcagac atctttgaaa attgcctct 780
 aaactcttaa tacatacggtt ctgtgtgtct ctacctggcg tctttaagaa tatcctct 840
 ggg 843

<210> 1003

<211> 839

<212> DNA

<213> Homo sapiens

<400> 1003

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tttaaatga	ttcccacaat	gctgatttag	gcattttaca	tttgatatg	catttttagc	120
tggtttcaa	agtacacaagg	ctctaaggaa	aagaactaat	ccttagttgg	cagggaaagtc	180
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tatTTTTTC	ttaangctta	natagttaca	gccaaaacat	tttgtcatat	ttggTTTiga	780
ataattgtgt	caaatctaca	cttaattttg	ccttagacag	ctagccttat	gaccctagt	839

<210> 1004

<211> 550

<212> DNA

<213> Homo sapiens

<400> 1004

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aaagaagtcc	ctgctggaa	acacattatc	acaactactc	gatcccatag	caacaagttg	180
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tgtaagaagt gggatacttg tgctccagaa gttattttac atgctgtggg aggcaagttt 360
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 ggagtcctgg ccacactgag gaattatgac tactatcaa gccgagttcc agaatctatt 480
 aaaaatgcac ttgttcctta aaggaaagtt tcatttggcc gggcncggtg gctcatgccn 540
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<210> 1005

<211> 776

<212> DNA

<213> Homo sapiens

<400> 1005

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 agcgtgtacg atctttggga ccaatcacaa ggaagtttt agaaatatacg attgcttagat 720
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<210> 1006

<211> 837

<212> DNA

<213> Homo sapiens

<400> 1006

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 tgttttgc ataggagaaa ttgtttaggaa agaaataact ccttttaca tgatcattt 720
 tatctatata catatatata ctgcataaca ctatcactgc attaaaaaaaaa tgagtttggg 780
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<210> 1007

<211> 783

<212> DNA

<213> Homo sapiens

<400> 1007

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 gag 783

<210> 1008

<211> 792

<212> DNA

<213> Homo sapiens

<400> 1008

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gaaggctgtc aa

792

<210> 1009

<211> 746

<212> DNA

<213> Homo sapiens

<400> 1009

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<210> 1010

<211> 871

<212> DNA

<213> Homo sapiens

<400> 1010

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 aaccggcgaa gacactcaag tcgaaaacct accacccca agttccaca tctaacttt 180
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 aggctggagt gcagtggat gatctcacct tactgcaacc accactnct gggttcaagc 780
 gattttctg gcttnagcct tcccaatgc tgggattaca ggcaccagcc accatgcctg 840
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<210> 1011

<211> 867

<212> DNA

<213> Homo sapiens

<400> 1011

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 aagtgtgtcg gcctctccgc acgcaccacg gagaccagca gtgcagtcgt gtcgcgttgc 180
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 gcttcaaaga tactaaaaag ctatgagtcc agtcttcccc agacacagca agtggatctt 420
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ctgaaaatgg ataaaaacaa aatggtagcc acatccggtg taaaaaaagc tatatttcat 540
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 gctactccac cacggaagag aaagaagata gtggttgaag ccccagcaaa ggaaatggag 660
 aaggtagagg agatgccaca taaaccacag aaagatgaag atctgacaca ggattatgaa 720
 gaatggaaaa gaaaaatttt gaaaaatgct tgccagtgt caaaaggcta cagcagagt 780
 atttcagctt ncaaactggg tatacattnc aaactgatag tacattggca tnttcaggaa 840
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<210> 1012

<211> 744

<212> DNA

<213> Homo sapiens

<400> 1012

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 ctcgctggtg acgttagtgag tgtgatggcc gccgcgaggc cgggaagggtg aagtcaggac 180
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 cactgccaag aagaagatca atggcatttt tgagcagctg ggcgcctcg cagaaggctt 480
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 gttcgactca tcatggactc cctgcacatg gcggctcggg agcaacangt ttactgcgag 660
 gaaatgcntg aagagcggca agacccgact gaaatttatt gacaaacaag ctggagctct 720
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<210> 1013

<211> 657

<212> DNA

<213> Homo sapiens

<400> 1013

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 ctaaattcgg gcaagtagga gatgtgtgaa tatttatctc agctgcagaa acttaatgca 540
 ntgtggcatt aattaccctg tctgagcctg ctgncttctt ctgttttag gtgtcatttt 600
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<210> 1014

<211> 855

<212> DNA

<213> Homo sapiens

<400> 1014

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 acaactaatac tgtcaataca gcaaaaacgg catggagag taaaaacatg gaccggcac 180
 gtagatattt ttgagaagga ttttattttt gtaccctta atgaagctgc acactggttt 240
 ttggctgttg ttgtttccc cggtttggaa aaaccaaagt atgaacctaa tcctcattac 300
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gccagtaaaa tggagagttt ttcacaaaaac tcttgcac agcctgtat taagaagatg 420
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 cctcgttata agagaaacat atgcagtgtt aaatacagng tgaaaaaaaaat aaatcatact 540
 gcgagtaaaa atgaagaattt caataaaggaa gaatctacat cccagaaagt tgctgatagg 600
 actaaaagtg agaatggcct acagaatgaa agtttaagtt ccacacatca tacagatggc 660
 ttaagcaaaa tcagactaaa ctatggcgat gaatcacctg aagctggtaa aatgcttgaa 720
 gatgaactcg tcgacttctc agaagatcag gatnccaggaa tgatgcagtgc acgatggatt 780
 ctcgctgtga cactgcagtt anaaataggc agtgcattta aggctctact gtaacaacct 840
 tgttcttta tggcc 855

<210> 1015

<211> 783

<212> DNA

<213> Homo sapiens

<400> 1015

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 acccacagca ctattatggaa gacttggagt atgtcctcat ccctcatggat atcattgtgg 180
 acagaattga gcggctggcc aaggatatta tgaaagacat aggatatagt gacatcatgg 240
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 cgctggctgg aaagaatgtt ctcattgttggaggatgttgcgaaactgggg aggaccatga 480
 aagcactact cagcaatata gagaataca agccaaacat gattaaggta gccagttgt 540
 tggtaagag aacatccaga agtgcacggct ttagacctga ctatgcttga tttagatcc 600
 caaacttattt tgtggggat tatgccttag attacaatga atacttcaga gatctgaatc 660
 acatatgccg tcatcaatga gccccggtaa agaaaaatat cgagtctaaa agacatgaat 720
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nng

783

<210> 1016

<211> 867

<212> DNA

<213> Homo sapiens

<400> 1016

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 agagtgtatgg attaaacttg gaaagagaga tagtcagcc aaccacagca acacaggaaa 420
 agtcacagga agaacttcca acaacaaata atagtttt taaagaaata tggtagatt 480
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 gcctaactt taaaaatca gaatttaagt tctcagaaga acgagtgcc tactatctat 600
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 gctacccaagg ctacagtggg ttgcgtgcnc tggatggaga ccatgcttct tttaacgca 840
 tacttccccca ntggaaact tcattcc 867

<210> 1017

<211> 766

<212> DNA

<213> Homo sapiens

<400> 1017

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 ccagagaggg gacgtccctt cagacgctga ttatTTTtagg tgtaaattcc atgtcccatc 360
 ccaaaaacaaa caaacaaca aaaaaacatc tagggcatgt ctatTTTtagg ggccttaaca 420
 aatgactgga tcatctccct tgtatataac ccagaaaaca ctgtgaagta gagcaaaatt 480
 ggaaagccca agtcaaagac catttgcaaa ttcaagtag attccagttt gttgctcaaa 540
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 cagttgggtc actggaaaac atggcaaaat attgaaaatg agggatttagg tgagagtgt 660
 ncaactgaca ctaaatgctt gatccangtg ccattccctg gatactgaca gggagacaca 720
 ttggccaggt aatactggna aaatacttct atagggaaa ccncaa 766

<210> 1018

<211> 871

<212> DNA

<213> Homo sapiens

<400> 1018

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 ccagagtatg gggcagagat aataatggac atcaatacag ctggatttga tatgcccatt 180
 ttttctgctt tgttacacta cctttataca ggagagtttgaatggagga ctcaggttt 240
 caaaatgtcg atatccttgt tcagcttagt gaagaatttgaacaccaaa ttcccttgat 300
 gtagatatgc gtggactctt tgattacatg tgttattatg atgtcgtccct tagttttct 360
 tcagactctg aactgggtga agcttttgttggaaatcaga actgttttaga tgaagagctc 420
 aaagccccaca aggctttat ttctgcacgg tccccatttt ttcgaaattt attacaaagg 480

aggatacgaa ctggtaaga aatcacagac cgaactttga ggactccac aagagttata 540
 ttagatgagt ccattatacc aaaaaaatat gcaacagtga tattacactg tatgtatacc 600
 gacgtggtgg acctctctgn ttgcactgt agcccctctg tggggagtc cagtgaagt 660
 cangctctcg tcgcaggaa gccaaacatg accagggcag aagaagccat ggaaactta 720
 cccatagcac tggcttgaa attaacatg cttgcacaag gctgtgagga tatcattgct 780
 gagagcatct cattagatac ctaattgcc atcctnagcg gagttctnat ccatatggct 840
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<210> 1019

<211> 691

<212> DNA

<213> Homo sapiens

<400> 1019

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 ttcttcagtg agttgtaaag tcggccctct gtatcaacag gttccacatc tttagattca 180
 accaaccgtg gatcaaaagt attctggga aaaaacaata aaatataaca gtggaaagga 240
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 ataactgtaa aagctgattt gaaaagtctg ttaataccat tttaaaaaaa ttgtcaccgt 480
 gtagtcttca cctttgcaa agatttttt tttaagtac tacctctcct tttgatcaa 540
 ggcagtatgc aatctttgtt ttagtgtatt ttcagaaaca tcaatttagat gtttaacttg 600
 nttccctttt taaatgcttc acagataatt nactagatta ttttaacaa acaattcaa 660
 gcttgaatta ntgaaacttc aaaaccgatt g 691

<210> 1020

<211> 776

<212> DNA

<213> Homo sapiens

<400> 1020

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 gtgatcatag ctcactgcag ccttgaactc ctggacctag gtgatgcct cacctagct 120
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 attttgttt tttagaagc agggtctcac tgtgttgctt agactggctt caaactccct 240
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 tataaaaatc tgcagcagta ttattcaata atactgctgt ttaacgaaaa aacagacttt 420
 ggaacccagt ctgaagaata ctgcattaa ggagattna tgtgaatgtt atcttcagca 480
 cagaagcaaa tgtggtcact gaaatcatat tcctacacaa ttatgaatgtt gatgttcaag 540
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 cctctgaaaaa gaagtcatta gatcccagtt tcagaaatgc agattaaaaa caagtagttc 660
 aaaaatctct ttcactttgt gtgtatgaga actacaaaan gaacttaagt aatactttt 720
 gcttagatt ttacaaaatn gaagccaaag tagtaagatg tggnaaaggg aaaagg 776

<210> 1021

<211> 834

<212> DNA

<213> Homo sapiens

<400> 1021

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 tgatgaaagg catttaaccc tagagcatgt acaaagctga gtcgcaagtc tcagaaatag 180
 tgtcctaaag tgatgtatttgcctcagagg gaattcgtat gtacttatac acaaattcac 240
 cataatgaat gcacccaaatc atactttaa atgccccaaat aattcatatt cataaaatttt 300

tcatttttagat cccctagata tttttaatc aaaacccata ccactatcca ttcatcttcc 360
 attcaatcaa atggaaaaga gccatatttt tttcaaaaat agcaaaatta tctaatttcc 420
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 gcactttaaa aattttccc agaaacatga gatggatgg tcagaggta tgcaagggt 540
 gtcatggggg caccctgcct gtttcttct gtagctcata ccggtcacgc cttgttgg 600
 ctaatgactt cccaggtgcc tggtaccaat ttttcattag ttgctgtgt cctagaaatc 660
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 aatgttggct gtggaaaaag aacatttcca catttgctt ggccatttgt tctggaaatc 780
 tgacctgggc agaataaccc cacttggc attctngna atngaaaatt tccc 834

<210> 1022

<211> 726

<212> DNA

<213> Homo sapiens

<400> 1022

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 tagtaccagg gattattaat tggaggaaga tttatggta tgggtctggc tgggaagaag 120
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 aataatccag aacacttcaa aattattcct aaatcattaa gatttcagg tattcaccaa 240
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 aagtggctgg tacgttagatt gtcaagagac ataagaccga ccagccaccc tggctgtct 420
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 gcatttggtt ttaagaaaa caaaacatta agacgcactc attttatatc aacacgctt 600
 gagggaaaggg actcagggaa gggagcaggg agtgtgggt gggatggat tatgtatgaaa 660
 tcntttcaa tcttaaaatt taatncacca atctgcaaa attatgggg cngttcccaa 720
 gctcta 726

<210> 1023

<211> 782

<212> DNA

<213> Homo sapiens

<400> 1023

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 ccagttggaa gggcacaata tcttctccac tctgagctcc agtgaatatg agcagggtgct 180
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 gg 782

<210> 1024

<211> 736

<212> DNA

<213> Homo sapiens

<400> 1024

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 cgtgctnct ctgact 736

<210> 1025

<211> 859

<212> DNA

<213> Homo sapiens

<400> 1025

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 aagagtcatg tgaaaaaa aaacctatca aacgagtata taaaaaattt gatccagttg 180
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 aatttccagt ttatgtacta cccaaagtag agtatacggc ttgttacgga gttgaagctc 600

tgactgaaag tgaacttgt cgcttatgga ctgaaagttt attgcattcc aacagctcat 660
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<210> 1026

<211> 819

<212> DNA

<213> Homo sapiens

<400> 1026

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 cacctcaaaa attattccac agtttggatg ttagtattag gtattatata agaatttccc 180
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<210> 1027

<211> 857

<212> DNA

<213> Homo sapiens

<400> 1027

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 cttcttagga cacatataaa gtccttactt tgtatttggg gcccagagaa gtttagcaat 240
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 aataatatta ttataacgtt taggcgtaga actgtggcaa agccaacacgc ttctctgaca 720
 tgtgcaggat ttccatcatat ttcatgtctgc aatactagag cctgactaaa accggcagg 780
 ttgcaaacag caagggtaaa taaatcntgg gggtttggcc ttctgggtg ctcttaggcat 840
 agnttgggt tncctac 857

<210> 1028

<211> 836

<212> DNA

<213> Homo sapiens

<400> 1028

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 tctgaagttt attctatcgt caaagaaaaat atttcgtat aaagcatgtt gtttatacca 180

agaaggccttt ttaaaacttaa ggtctctttt ttcataacat gtacatataa atttaaaag 240
 aaaacttaaa aatacagtag ctgcctctaa atgcagatat tgtaacttag ctattatttc 300
 agaattccac aaggcatatg cccagtttgt cgatctggc actcaact accagttct 360
 tcagatcatc ttttctctt tggaggattt accactgata aacagccact aagtaagtcc 420
 ttgaaaaata tgataatgaa atcatcatat atcatccata tctaatacgtaaaaatgagt 480
 ctattagaga ctgatgagac ggcttatagg gttgggttggaa aggtttgaaa ttaattttga 540
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 gcacttaaga gccctgctga agggctacaa catgcaaagg gcttacttgg ctaattgcag 660
 gtggggaaa aanangaaaa tatactctct gtatctgctc atgatctatt acctttcttg 720
 ccaaagctgt gccctttaaa tggcaatgtc atattgcca ggactaacat acttcatttc 780
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<210> 1029

<211> 854

<212> DNA

<213> Homo sapiens

<400> 1029

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 cgttagcaaac tactggaaaca agaatctgtt ttcttgctga gtgaatttct tgccatgtgg 180
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 ccagcggttt gggaaagccaa agtagggagga tcgcttgagg ccaggagttc aaaactagcc 300
 tggcaatat agggagaccc ccatctctac aataaataaa aataaaagct ttcatttaca 360
 atgatggtag accaagaaat ttgccttaga tcttcactga gaacatctag aaaagctggc 420
 agctgaacaa aattttaaaa acatctggc tggcacggg ggctcacacc tttagtccca 480
 gcactttggg aggcaaggct aggggatcac ttgagcttag gagtttgaga acagcctcag 540
 caacataggg agacccatc tctaaaaaaa aaaaagataa actaaaaata aattaattaa 600
 aaacacctgg ttgaagacat cagcgagctg gcaacaatga agaattccta aggaaacaga 660

aacttigtta ggggagctgn tttcccttgn gttggccaat tctgcgagtg gtaagtgatt 720
 gctgactgtt gaatggccat ttgacacct tatggacaa ggaanaaagg gcctgcactg 780
 gtaaccctt cccttacttg gaatgaggat cccaaaggct actcattagg agtacagtgg 840
 tccaaaagta ancn 854

<210> 1030

<211> 853

<212> DNA

<213> Homo sapiens

<400> 1030

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 gaaaaacagct gtttcagac ttcaggtAAC agtagaagac tgtaattctt aactgaaagg 180
 aaacagatga agtgagccct gggattgcac tgTTTcagt atgaggagaa ggacccaaac 240
 atagtctagt ggtgtgcATG agttgtatgag acagaagaga aaagttcatt ggccggagaag 300
 tggctaggat atataggAAA taccagagAG aaggagcta cagagataga agagagcaag 360
 agcaggcaag tgccagtcA gagatttcta gttaggtctc ctcaaATCTT tgactgaata 420
 ctgattgagt agccatggta cacaatacca tgaggctgga gaaagaaaGT gatagggcag 480
 ttctcagAGC tcacataggg ctggGAatAG tttgtttc catcagccag catagagaca 540
 tagaaccttG aacagaaaACA tcagaaggGT aatGCCatAG tagtgggacc aaattgtct 600
 gaggctagtG ctgcattggA cttcttctAA caaaaATTGA aagcaaacAT tgaaaggatc 660
 aaattgattt aaaataattt atttgtgtgc tagaacaAG tccaggatcc tttaagataa 720
 tacagtaaaa tncagcacca agaatgtAAA attcacaatG gncagtatct agtcagaatt 780
 ttcatgngt attggggatG aaagtatgtG gaaggGcaaA agaaggctt cccagangGC 840
 ttaggGAACC ttt 853

<210> 1031

<211> 851

<212> DNA

<213> Homo sapiens

<400> 1031

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 attttaaga atgatatttg ctaccctaga gttcagagtg tttatttgtt attatttcatt 180
 acaatacttg tagaagccca gtagaaggat tataccccca tgcttacaga tgaggacatt 240
 gaggagacgg gtgttggcgt ccctgcttc cttcagggag cacaggtcag gttgctccct 300
 gaagtcaagt atgggtccag cacgttccac acggcaaggg gacaggccct ctcccaggc 360
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 agagtgcgttgg atttagtgcg accctctgg gacttgtaaa tactgtcaag tgattggag 480
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 cttcaggaac aaatgccttc tacacccact ggcctccag ggtcagaccc ttctagttcc 600
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 aaatgacagc atgtgttcaa caacctgaaa accaagctga atgtcnctg agatggttct 720
 ttctccctg aaaaggaagc ggtgtccatc aaaaaagagc ctnttctggt gagttctgag 780
 ccatgctgga tcttgcttga acagntctta tttcacagn tcacgtttt gggccttcaa 840
 aaagagactt g 851

<210> 1032

<211> 706

<212> DNA

<213> Homo sapiens

<400> 1032

aaaaaataga agataaagag aacaaaacaa caaaaaatta tagaaactaa atccttatat 60
 aattccacta cttggggata caattgtcaa tactttatgg atgtccttcc agatataattc 120
 tttgtatata cacacaata taaataaaca cacttgtaa atatataaag acatcaaatt 180

ttaaatgttc ttctatagtt ttatattcac tcaacatgtt actaaacttt tgagttcagt 240
 agacatacat cataccgcca tattaatgcc ttgcatttc tcattatatg aatgcataa 300
 aatttttgta ctaatctgaa ggctattttt aaaattttt tattttat tttttctg 360
 aagaaaaaat gatTTTTTC tatacatga tgctagaaga aactgatTTT aaagttacag 420
 ctTTGAATgt taaatgtga aggTTTTgg agtcattcct tttgaccTAC taattttaca 480
 attctcttga acatcaagtg ttTTTAGTg gtcatcatgt gatatttatg tgcatatttt 540
 gggcatcaCT gttctaattc ccattgactg acgtgtggg gacctcattc attctttca 600
 gttcttaaac ctatagattg atactaatct attaatgtac taaaaaaaaa aatnnggggg 660
 ttaaaaaaaaa aaaaaggggg gggggaaaaa aaaaacccc ccccn 706

<210> 1033

<211> 656

<212> DNA

<213> Homo sapiens

<400> 1033

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 acactgtcct ctgcttatcc taagcttacc ttgctcaaAT ttctttttt tttcttttc 120
 tttgttttg gtttttattt ttcttaaat ttcaaggata ttccTTCTT tgtaaatgtc 180
 acagagtatc atggctctgt cgccgaggct ggagtgcata ggtgcagtct caggtcactg 240
 caacccctgc cttccaggTT caagcgattc tcctccctca gcctcccaag tagctggat 300
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 ccatgttggc caggctggc tggAACTCCT gacctcaggT gatttgccca cctcagcctc 420
 ccaaagtgcT gggattacag gtgtgagcca ccgtgcccgt cccaaCCAGG cttcttaaat 480
 gaattctaaAG atagaaacaa caggagctgc caggactctc ttaaggctg aacctaggac 540
 tgncacagtg acatttctgc catattctgc tggTcacaag gcaagccaa attcaaaagg 600
 agagaaatag acctcttana gttcctaAt aaaaggtaat ttccaatttt tnaana 656

<210> 1034

<211> 717

<212> DNA

<213> Homo sapiens

<400> 1034

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 gcggtcgcc ggagctctga tcgcccggaa cccttgcgc tgctgtcctg cgaccccaag 180
 caggtataga cacgtgtggc cgtttacgct gtaggatcct cattccact ggcttgaac 240
 attttgggaa cttacaatgc cgccacccgc ggacatgta aaggtggcca tagaatggcc 300
 gggccctac cccaaactca tgaaaattga tcagaaaaaa ccactgtctg caataataaa 360
 ggaagtctgt gatgggttgt ctcttgc当地 cc当地 gaataat tttgc当地 ctcc agcatgccga 420
 tagttcaaac ttctatatca cagaaaagaa cc当地 aatgag ataaaaaaatg gcactatcct 480
 tc当地 ttaacc acatctccag taagttgatc tt当地 ctctg acttccagca aactcttgc 540
 tctgc当地 ttcc tgctatatgt gattgtggta tattaatttt tgaggttgac tt当地 tgcaa 600
 agcaaaaggc ttccagaatg tc当地 gagatctgg atttaaggcc caaaaanggg 660
 ggaaaaaaaaa tt当地 gggccccc cccccc当地 cccnittttt nccccccgg ggttttt 717

<210> 1035

<211> 520

<212> DNA

<213> Homo sapiens

<400> 1035

gcttaatga tt当地 atggcaa actcataacta gc当地 ttgatca gagaggtgac cctggcagtt 60
 attgaggatt aactctggag gactgacgcc actgagtttctt tctacacact gtaatttagt 120
 gttcctatcc aagatggcca ctaaaattgca cttcttctat tt当地 accctc tggagaatgg 180
 taaaaagcat gatttgc当地 tattgtcaag tccaaagtgt gtttctaaac tactaagcta 240
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tatgaaagt gagaatgatat gcatctttag ctgcctctgg catccggcac gtcacacagt 360
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 agctgacagg ttttggtcag gaaaatactg atcaagttgt ttttggttt gtttttga 480
 gacagggtct cactctgtca cccaggctgg antgcanngg 520

<210> 1036

<211> 675

<212> DNA

<213> Homo sapiens

<400> 1036

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 tggatgtgaa gaagcagcac tggccaagga catcagagac ctcagagcaa ggcagccccg 120
 ttctccctta aaggactcg gaaagtggca gaggaggctt gcattgcctt ctgtgtggag 180
 cggactggcc cagaaatggg ttcttctcggt gtgacctgag gtcaagttag tctataacaa 240
 tctaagacca gggatccaa gagatcatct cctccaacct cttcattata taaatgggaa 300
 aaccaaggca gagagtgggg atgaagccat gacacatggg tggcagagct gactcataacc 360
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 ggtgccttgg acttcagctc tgctatctgc agtgggagcc caccagacac atccctgggtt 600
 tgagactctg gggttgtgct ttgacagctg gctgcctgt cccttggtn gggggggggg 660
 ggnccccc tnc 675

<210> 1037

<211> 660

<212> DNA

<213> Homo sapiens

<400> 1037

aaacacagag agaaatgtt aagtggaaagt gagagctcat ccaaaaaaag acagagaaaag 60
 aaaaaagaaa agaagaaatc tggtaggtat tcatacttctt cticatcaag ctctgattct 120
 tccagcagtt ctctgattc tgaagatgag gataagaaac aaggaaaaca gagaaagaaa 180
 aagaagaacc gttactgaat cagacagtaa ggatagttt aaaaagaaaa agaagtcaaa 240
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 agcaaaaaaa aaaaaaaaaa aaaaaacccc acaaagtcaa aagacaagtt tgaaaaatgt 420
 ttacagctcc acaaagatag acaaatttcc ttgatgtatg aaaaatgtca acaaaccaat 480
 aaaaagacta acaattcagt agaaaaatgg acaaagaaca aatatggaga ttcatagaaa 540
 tgagagataa atgtcatgat gagaaggtga ggtgcact tgatttataa gagaaatgaa 600
 aattaaaact acaccagatg ccatttttta aaaacctatt acattngaa aaaattttnn 660

<210> 1038

<211> 642

<212> DNA

<213> Homo sapiens

<400> 1038

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 ggctggagag ggaaccatgg ggactgtgca cgccccggagt ttggagcctc ttccatcaag 180
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 tggaaggact aaagatgata tcatcattt taaaatttggaa gatgtttca aggccaaaaa 360
 cctaatttggag gtaatgcgga aatctcatga agcccgtaa aaattgctcc gtcttggaat 420
 ttttagacaa gtggatgttt tgattgacac atgtcaaggt gatggcgcac ttccaaatgg 480
 gttagacgtt accttgaag taactgaatt gaggagatta acgggcagtt ataacaccat 540
 ggttgggaac aatgaaggca gatgttact tggcctcaag cttcctaattc ttcttggctc 600

tgcagaaaag gtgacccttc agtttccta tggaacaaan nn 642

<210> 1039

<211> 681

<212> DNA

<213> Homo sapiens

<400> 1039

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ccctgaaggt ccaggagtac ccgaccctca aggtgcccta cgagacgctg aacaaacgct 120

ttcgcgccgc tcagaagaac attgaccggg agaccagcca cgtcaccatg gtggtgccg 180

agctggagaa gacgttggc ggctgccccg ccgtggactc cgtggtcagc ctgctggacg 240

gcgtggtgga gaagctcagc gtcctcaaga ggaaggcggt ggaatccatc caggccgagg 300

acgagagcgc caagctgtgc aagcgccgga tcgagcacct caaagagcat agcagcgcacc 360

agcccgccgc ggccagcgtg tggaaagagga ggcgcattggc tcgcattatg gtggagcacc 420

tgctgcgttgcggctactac aacacggctg tcaagctggc gcgcaggagc ggcattcgagg 480

acctagtgaa tattgagatg ttccctgacgg ccaaagaggt ggaggagtc ctggagaggc 540

gtgagacggc cacctgcctg gcctgggcc atgacaacaa gtcccgctc cggaaagatga 600

agagctgcct ggagttcacc tcagaatcca ggagttcatt ggaaaaaccc tttncnaaa 660

tttttncccc cccgggggg g 681

<210> 1040

<211> 655

<212> DNA

<213> Homo sapiens

<400> 1040

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aatataattt gaagccctac catttctag gaattctgctg agaacctagg gaatagatag 120

gactacattt atttgtcat catgggattc tggaaacatt caggaggagc atctcatctc 180
 tagcctaggg tgtcagaaag aacttgagta atcaaggatt gggcttaaa ggacaagtga 240
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 aacagcttgt acttcatactg tagtagatc agtaaccact caggggtttt aatcagggaa 360
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 gaaatgatta cattaaaaca ggcctagaca caaaccacca catttttgc cagaaaggca 540
 tagaaaacaaa ttgtatttagt gcttgccagg ttctggagg agttggagat ggagaatgac 600
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<210> 1041

<211> 665

<212> DNA

<213> Homo sapiens

<400> 1041

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 atttccaaa taaaatagag aaacaatatt ttaaggaatg tattgtcccc ttagcttct 180
 tatttgcct ttccaggaac tatttgcgtt tgcgttattt cttaactatg aaatgctaga 240
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 aaaaagtttta gtttacagat tttaaagttt ctttcatat caattttatt tatgctgnntt 480
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 tgattactgg agttgggtgat tgcttaactac tganagttag tgggnncccc tttaaaaaaa 660
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<210> 1042

<211> 711

<212> DNA

<213> Homo sapiens

<400> 1042

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 cagctaccgt ataaagttagg acataacccc attcacatg cactacactg agacttgcct 420
 cctctcccc cacattgaag atgttcttt ttcataact atatactatt ccattgcatt 480
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 gtgttaattaa cattcctgta catgtatTTT gctacttgc tgggtatttc tgttaggatga 600
 ataactagaa atttattgga tcaggtttca cattgcagt tttttttgg ggaaaaaaaaa 660
 aaaaaaaaaacc cctttinaaa nccnntttt aaaacccccc cccaaaaaaaaa a 711

<210> 1043

<211> 690

<212> DNA

<213> Homo sapiens

<400> 1043

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 aggctacatg attgtacatt caagtcttat gtttcctat atttgaaaaa taaaaacatt 180
 tataaaaatat atgcaatgtt tactgggtgc tttcctcgt attagtgttt taaagcaatt 240

gaagaaaata aatatttcag tataaaaagg agcaaatgt aatgaataag tacttaagag 300
 aaaaaaaattt tagtgacagc ttatgggt gataattcg tacccttcag ttcacccatt 360
 taaagtatac aattcattga ttttattat agtcacaaat gtgtacaact gtiaccaag 420
 tgaatttgat aatttttttt ttatcaccc tcataagaacc ctgtaccctt ggccaggcac 480
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 tcaggagttc gagaccagcc tgccaaacat ggtgaacctt gtctctacta aaaataaaaa 600
 aatgagccga gtgtgggtt gggcgctgt aatcccagct taccctttt tggggggggg 660
 gnaaaaaggg ggggnccnt ttttaaaaaa 690

<210> 1044

<211> 710

<212> DNA

<213> Homo sapiens

<400> 1044

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 gttttgcag tggctggtac tgcttttcc ttttgtatt tagtgcttcc ttcagaagat 120
 ctgttaaggc aggactggtg gtgacaaaat cttcagcat ttgctttct gtgaaggatt 180
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 gggaaaactc catctctact aaaaatacaa aattagccag ctgtgggac acatgcctgt 420
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 gcagagaaaat ccactgttag tctgatggc ttcccttgc gggggaaatt taaaaaaaac 660
 cccccccccc cnngggaaaa accccccccc ctttttttt ttttnnnccc 710

<210> 1045

<211> 645

<212> DNA

<213> Homo sapiens

<400> 1045

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 tttaaaaga agattaatag ggaacgtgga ggtatTTT ctcttgacat gagtggtgca 180
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 atcttggcac ccaaattgttc aatttaactc caggtaccca cttgtcttat ggctctgggt 540
 catacgcagg caattaacct tcattataat gttgggtca caatagaaca attatctagt 600
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<210> 1046

<211> 664

<212> DNA

<213> Homo sapiens

<400> 1046

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 tgctgtcaca gccatgccac cttagagctt tgtaaagcct gcaaagggtt cttaaaaac 180
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 agccctgggtg acagagtaag accctgtctc acagaaaataa gtctaacttt aattgaaaatg 360

ctgttagcang ctgagcgcag tggctttgc ctgtaatccc agcacccatgg ggaggacaaa 420
 gtggcgat cacctgaggt caggagttcg agaccagcct ggccaacatg gtgaaacccg 480
 tctctactaa aaatacaaaa attagccagg tgtgggtg tgccacccata gccccagcta 540
 ttcaggagac tgaggcagga gaatcgcttgc aacctggag gcggagggttg cggtgagctg 600
 agatcatgcc actgcactcc agcctggca acagagcag actttccccg ggnnnccct 660
 tttt 664

<210> 1047

<211> 855

<212> DNA

<213> Homo sapiens

<400> 1047

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 atttccctct tctcctgtgc tttcatctaa aagttctccc tggataatta tcattgcagt 180
 ggagtgcctg gattggacat cctcatctgg gtcaactaaa aaaagaaagc atgcaagacg 240
 acagcataga agcttctact tccatatctc agcttctaag agagagctat ttagctgaaa 300
 ccagacatcg gggaaacaat gagaggagtc gagcggagcc ctccctccaac ccttgcatt 360
 tcggcagtcc ttctggggcc gctgaaggag gcggaggcca agatgacctt ccagatctt 420
 cagccttct gagccaagaa gaattagacg aaagtgtcaa tttggcaaga ctggccatca 480
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 cccagtccaa aaaagtattt ttaaataagg ctgccactt cattgaagag ctatcctcct 720
 tttcaaattcc acagcttcca aaggattaga cctcgtgcct gaaaaaccn caagagtnaa 780
 ctggaatctc aaaacaaagt atgcaggaaa cagctcagtt ctaaactgta gaagacnaga 840
 agactttgtc catcc 855

<210> 1048

<211> 817

<212> DNA

<213> Homo sapiens

<400> 1048

cactgagaat atggggtaaa tacttgaga caagagagag acaaatgtcc tagtttccaa 60
 aaaggataaa agtatattgc aaaaacccaa gaccaattcc ctactttaaa ctgtggtaaa 120
 atttgaagag attgtaaaaa aatgaaatat tgtgtttaga agagaatggg atgatcacca 180
 tgaatcaata tgaatttata agaataagac atgccaaat gacctcattt ttttttgct 240
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 gcgttagtt aaataatagt tactttatactggttcacagagaac tggtggtgaa 480
 cattaatttgcataattca gaaagtatgg attttagtt aacgagtttt ttaaggatt 540
 tgtatgttga aacttgagtt cctggattta ttcatgattt aggtttctgt tagggacttt 600
 ttgcaacca agctgtatTTt gtaagatata taaatctgnt ttaatttac atatgtacc 660
 ttgacttata aattacttag aagccaaggc gtaatattag cattagagc aaagtctggc 720
 tatgttaana atgctaacgt tatgaagaat ctTTTCTTt gtcagtaacc actatngtaa 780
 gctccTTgga tgTTTcatc ccttggaaagn cattctg 817

<210> 1049

<211> 667

<212> DNA

<213> Homo sapiens

<400> 1049

aattgatggc atcttaatct tggtgtcagc caagcagtag ttgtaacaca gtcttcattt 60
 ctttgtcgtgt gcatcatatgtcttgcagtt aacccatagg gattaagtgg tagtgTTtag 120

ggggtgtggc aggaggttag ttaaacataa acctccaaggc aggagtcaaa agtagacaag 180
 ctctatataa ttacaccctt gacttaagaa tctagcatca agtagcttt gtttcttta 240
 tggatagtt taagaaacgc tgcatcacca actcccttga tggcactgaa cctttgtgg 300
 gaaaaccaga caatgacact gaaattaaaaa gtgattcacc agagtcagac tctgaaagtg 360
 aagaactatc agaactaact actttatttc acttatattt tccttttg aatgctcaag 420
 tttgtatga tctcattaa agtgcttcta ataaatatat aaaattata agtaccaag 480
 cgttatgtta gttaaacaga agtattttc ttatgtatggg gaaaaaatgg ctatacaatc 540
 tggccagacg tggggctca gtctataatc ccagcactt gggaggccga ngcgggcgga 600
 tcacgaggc aggagatcga gaccatnctg gctaaccacg ggaaaccctg tctctactaa 660
 aaaatnc 667

<210> 1050

<211> 698

<212> DNA

<213> Homo sapiens

<400> 1050

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 tatcctataa ctatgagtat tactggatt ctattggcc acttgacacc aacacaagtg 120
 gggggccta tatcacttaa gaagagggaaa tatatagaaa aaagtggctt ggagagaaac 180
 ttgccttgc aatttccat atatgtccaa actgtatgact ggggtgagaa agatctattc 240
 tggctttgc atactgactc agataaaaaa caaagctcat attattacaa agtcaaaaac 300
 aaaagatact ggttagggctg cagagaaaaag ggaatgctta tacactgtt gttggaaat 360
 aaattagttc agccactatg aaaagcagt tggagatttc tcaaaggact taaaacggaa 420
 tcgcgttca acccagtaat ctaattatgt ggtatatacg caaaagaaaa caaatcggtc 480
 taccaaatacg acacatgcac tcacatgtt actgcaacac tattcacaac agcaaagaga 540
 tggaaatctac ctaggtgccc atccatggtg gattggataa gtaaaatgtg gtacatata 600
 actatggaaat attacacagn cacaaaaaagg aatgaagtca tgccttgc agcaacatgc 660
 atggtgctgg angtcaactat cctaagtgaa ttaacnca 698

<210> 1051

<211> 667

<212> DNA

<213> Homo sapiens

<400> 1051

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 gatggtcatg ataaataaat gcttactgct gtattcaact gcttgcgtgt gcttcttgg 180
 ctataggcta aaaacatgga atgctctctc ttgcctaagg acacaaaatt gtgcagtaaa 240
 caagggttca aataaacctt tggtctgaac aatttgagca gatgcttatg tttggatttc 300
 caaacacctg ccaattactt tgaaagtcaaa tagacctcat aacttccagt agggtaaat 360
 gtagtcaagg tagcattaaa aattaatgag taagcctgga taatatggtg aaactctgta 420
 tctacaaaga gtacaaaact tagttggca tggtggcatg cacccacagt accagctacc 480
 tgggatgctg aggtgggagg gtcgcttggg cctgggaggt cgaggctgca gtaaaccacg 540
 gtcacgctac tgcactccag cctggcatga cagagtggca ccacgtctca agcaaaaacan 600
 aacaaaacan aacaaactaa tgagttata aatgaggtan agagaaacag attttggaaa 660
 tgccgat 667

<210> 1052

<211> 654

<212> DNA

<213> Homo sapiens

<400> 1052

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 aacgcgggtc tcaggttga ggtggtcccc tccaagttt aagagaagct ggacaaagcc 180

tccttcgcta ctccgtatgg gtacgccatg gagaccgcc agcagaaggc cctggaggtg 240
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 tgctccagca aagaccatca gctggacacc agggctcgg aattctacgg ggaaacgaag 480
 gtgaagttct cggagctgtc cgaggagctg ctctggaat acgtccacag cggggagccc 540
 atggacaaag ctggcggcta cgggatccag gccctggcg gnatgctggt ggagtccgta 600
 cacggggact ttctgaacgt ggtgggattn ccgctgaacc acttttgna agca 654

<210> 1053

<211> 903

<212> DNA

<213> Homo sapiens

<400> 1053

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 cggccgcccc ggtgcccgcg cccgtggcgc tatggaggcg gcgcgtctgg ggctgtgtaa 120
 ctggagcacg ctggcggtgt gcgcgcgcgt gaagctgcgc cagatctccg ctgtgttagc 180
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 gaagtggatc atagacctgg ccatgaatct atgtacttcc atcagcgcgg ccagtaagtt 480
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 cagtacttcg ctaccggaaag accgctataa angctgaatg atggatacat tattccttcc 720
 acagtggatt ttgagtaact gaaccaaagg aaaaagaanc tctttgctaa attaaggnc 780
 ttatataatt aagtaaaatc aagtttataa tctttaaagc caaaggttt tttaaaaactt 840

tgaagaaaag aacccttta aattcttggt taaaaatac caattggct tctcnntct 900
tna 903

<210> 1054

<211> 686

<212> DNA

<213> Homo sapiens

<400> 1054

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cattccgggc cctaaaacag ttttttagc tcgtcagcta tcgttaatgt taatgtattt 180
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gcatagtgt tactagaata attccagag ttctttgac agagacgtca cattatgttta 540
acttaccaaa acagacagaa gaaatagaaa acttgatgt tcctattaag gaaataaaat 600
aattgaatct ttctacaaa gaatattcca gaccttagatg gcttcaatgg taaattctgt 660
gaaacattta agaaaaacan annaca 686

<210> 1055

<211> 680

<212> DNA

<213> Homo sapiens

<400> 1055

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ctaggatgtt tcggcagaa aaatgtactg gcaaaatcg ttcctaaaaa gatttacgt 120
 gagacacata aagtacattg agtagtatag ttattctta actagtccata agagtattaa 180
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 gcctggatgg nattattctt ttcttcagt tgctgctgaa atctaaaaaa acccggtttt 660
 tcaagtccctt atgnngntccg 680

<210> 1056

<211> 805

<212> DNA

<213> Homo sapiens

<400> 1056

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 agtgcagtgg cgtgatctca gctcaactgca acctctgtt cctggatca agcgattctg 120
 ccttagcctc cccagtagct gggactacag gcatgcgcca ccacactcgg ctaattttt 180
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 ggtggactg gntccactt aaggnagcat cactggatca tgaggacagt gtgaacaccc 660

ccacaaaggnccttggccatccatccttttcataacctgcttcg 720
 cagnacctgn ttggcttggt tcccattgaa aatcaagcag gtagtcacat agatttcatt 780
 aattaacccc aaaataagna tgact 805

<210> 1057

<211> 756

<212> DNA

<213> Homo sapiens

<400> 1057

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 aggagcagag atgaagaaaa ggagaagaaaa agcgctggaa agagaagaaaa aggaacctcc 120
 ttctgtgcag caggctcctg gcccaggag tgcggtgtc ggcagagtgc gtgcagggaa 180
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 ttctggagg tcaccctgga ngggagtccc aggaatcagc ctgatgttca gaaatgcctt 660
 ctggcatctc agaatgtact gggggagact gaggacctt agcccagtgt cancgtctta 720
 ttgcaggaga cattaaagcc caanccagaa cttnnta 756

<210> 1058

<211> 834

<212> DNA

<213> Homo sapiens

<400> 1058

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aagttcttgg gttcagtgca agacttgaaa cctgacatgg tttcattaga ttgtagaaaa 180
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aagtaganga tgtgcaaaac ctgttagtacc atttaacaga ttttgacct tggtaattat 720
gtcattttga aactggaata aatatgtaat ccgaagggtt atttttctga cccaaagtaa 780
gtcaaggta aagtttttta aagnntact gggtggattc ttggngggtt ttca 834

<210> 1059

<211> 754

<212> DNA

<213> Homo sapiens

<400> 1059

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aagtgcacgc tgaaccgagg gtactgtggt gggagcagag agggctggat aagaaagaca 180
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ccatgtgact gaggatgaaa cagtctcaga ttaaacagac ttctcaaggt cacgcattgt 480
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 acaaaccaaa caaaaacaacg cacttcagac tctttggaa acctttgaaa ggaacttgat 660
 ttctgtgtgc tttgaaagta tatattgcaa tcaaggtatt ggtgggttaag tgtgttttg 720
 angnttgc caaattaacc aaaattatat gnct 754

<210> 1060

<211> 760

<212> DNA

<213> Homo sapiens

<400> 1060

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 gccaatctag ganagcatga gttttagag gagaaaacta aagttgccaa agttagccaa 660
 ggagtagaag atgggcccga cacnagaga gccaaacttg attcttctga gacaacgtg 720
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<210> 1061

<211> 786

<212> DNA

<213> Homo sapiens

<400> 1061

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 gtaatattat catcttatta tcaccaattc cttgcattgg tggcttgct gagcagctgt 120
 ttcacagaca agccaatttc tttaagtat tgctctatca gactctgaaa ccagttctac 180
 cagaagggtt cttggtaatg aatgttaatg agcagacaag tatccttct ctgacagagg 240
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 aaattattct ttcttcttcc actgagccag tgtaagagtt cttttttt tccaaaacaa 660
 ataagatagt aaagccataa gaacagcact tgnatgctt ttgnattcta agaatatgag 720
 aaaaataatt caggggaacc ttatctgaa anggatataa ccatgtcctg gatggaatac 780
 tgcgaa 786

<210> 1062

<211> 702

<212> DNA

<213> Homo sapiens

<400> 1062

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 cgccggctac catgtccgcc caggcgcaga tgcggccct gctggaccag ctcatggca 120
 cggctcggga cggagacgaa accagacaaa gggtaagtt tacagatgac cgtgtctgca 180
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gagaatgtac caaaatccac gacttggccc tccgagcaga ttatgagatt gcaagtaaag 300
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<210> 1063

<211> 781

<212> DNA

<213> Homo sapiens

<400> 1063

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 gacattgata caggtcaaaa tgcgttagatg cttttggtg ttggaaataa gtgtctgtct 180
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 attcttcaca tttcagaacc catgttaat ggagggaga gagaatgca tggaaaaga 480
 acacccctt ttctcccttc tcttaaattc aaagacgttt gctttggat gccctcactt 540
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 cccaaatgca tcactttcct tttagttatg gctgatttg ggtgtgtgt tgtaagacat 660
 gcagtcaaca acgagatgaa gcccattgca tagatctcat gcngatagtg atggattcag 720
 aaagtagggt ccagtggcgn cactancttc ttgtaagcca gtatacactg gctatttggg 780
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<210> 1064

<211> 767

<212> DNA

<213> Homo sapiens

<400> 1064

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 tacgcaccac catgcccagc ttgtgtgggg tttccctga agatcagtct caaggttgct 180
 gcttgaccgg tgagcagcag gattcagacc tagatgtgtc tgactctggg atcccccac 240
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 ggagccagac gctgctgtc tgccacgctg gctcttcagc ccctggacgg acgccttggc 660
 tggcccccagg gcaggctccct cccaagcggc tggattcttct tctcttcggg gaagcacaag 720
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<210> 1065

<211> 735

<212> DNA

<213> Homo sapiens

<400> 1065

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tgggtacctg ttgtctgagg ttattgcgtg tctataccctg tgaaatttac ccagtgtcag 180
 ctacaggaaa agcagttgt aagaaaaacta gcaaattagc agagtgtgtt ggaaaaacca 240
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 atgatcctca aggatatctc agtcaaccct tgagtcttct agaagctgtc cttcaggaat 360
 gtcataatac tttcaactgcc tgcttcatt ctttctaccc aactcctgcc ttacagtggg 420
 cttgccttg tgatctgctg aattgtttgg atcaggatat ccaagaagca aacttcaaga 480
 catcaagtag ccgactcctt gcagctgtta tgtcagctct gtgtcacacg tctgttaagc 540
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 caagtttagta cagagaacga ctcaacacta gttcatcgnt ttccccttt ggtggcacat 660
 atggaaaaac tcagccagag tgaanagaat atctcangga tgacaagctt ccgtgaagtc 720
 tggagaaaaat gctgg 735

<210> 1066

<211> 722

<212> DNA

<213> Homo sapiens

<400> 1066

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 aacatgatca cttaaatga gtgtgaagta ctgttctggg caggtgaagg gtaaaaggag 180
 agcatccctc tcaaaatgtat gaaaaatagga tgataggttt gggggagagc agggatctcc 240
 agagggagag aatgatgaat aggttagttt gattcatgtt gtggatgccccc taaaatacca 300
 actgagcaag gttactatat atatatacaa taaaaggata cctaagaaga agcctgaaga 360
 cttgagatatac agactggct ttatcataat tagctgtgtt acccttaggt aagtgatttt 420
 acctctcttg acctcagctg cactactcaa acacacacat aaacacaaaat gagacggaa 480
 atgagctggg tgtctgtttc ctacagctc taaattctgt tattccctt aattcagttt 540
 taatagaagt gggaaatcat tcattgaagg tttctgagca tgggagttct cttcaacaga 600
 attactgctg nttcaactacc tggttgctct atttattaat gctttcttcccccttatg 660

tgattgctct gggagggact gnctctttat ttggntttt ggaaaaatga natggagtct 720
gc. 722

<210> 1067

<211> 782

<212> DNA

<213> Homo sapiens

<400> 1067

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ccaccagggg ccatcctgct ccttcgcca caactttgtc ctgctcgcc aggccttggg 180
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gtaaatgaag acgtgaaaag cctaggttct gtgcagctt tcaacgaccg ctgcgtggac 420
atgcagagaa gcaggcacgg tagccactgg gaccgtggg tagccgcagg tggctggag 480
agagtgagggc aggggtggca gtgactgaag accattaagt gtcttcata gaaagaatgg 540
cagaggagac cccagttcct ttctgagtcc cctctccttg ggaaaaagtg ttctactct 600
ctgggtcagt gnctggccg aatcttggct tggagatgtat ttacggct ctttctggag 660
aacagaagtn aaacattaca gtggtccgat gagaccacag taggcaagta ctttgggaag 720
ggcttataga cccccccccca cgaaatgggg ctnaacattt cacaaacccc ntttggcc 780
cn 782

<210> 1068

<211> 800

<212> DNA

<213> Homo sapiens

<400> 1068

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gcaatgttg aacaaactcg aaggacagct gtggaaagaa gtcgaaaac actggaagca	180
agagaaaaag aggaagaaat gaacagagag aaagaattaa gaagacaaaa tgaagatatt	240
gagccaacat cctcaagatc aaatgtggtc agagattgct ccaaattatc ttccagggat	300
acgagcagca gtgaaagtga acagagttct gactttctg atgatgagtt aattggccct	360
ccttacccc ctaaaatggt aggaaaacca gttatTTTA tggaggaaga tatcctcggt	420
ccttaccc cacctctaa tgaagaagaa gaagaagcag aggaagaaga agaggaagag	480
gaggaagagg aaaatccgt tcacaagatt cctgactcgc atgagataac gctgaagcat	540
ggcactaaaa cagtgtctgc ttgggtctg gatccctcag gtgcccgtt ggtgacagga	600
ggatatgact atgatgttaa gtttggat tttgtggaa tggatgcttc ttttaaggca	660
tttcgatccc ttcagccctt gtgagtgccatcagatcaag tcattacagt atagtaacac	720
aggagacatg atttttgtg natctggAAC tntcaaggCC aagggtattt gccagagatg	780
gnTTTGAAGT aatggaatgt	800

<210> 1069

<211> 826

<212> DNA

<213> Homo sapiens

<400> 1069

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aaaaatgccatattcaatc atcatgcagc attataacaa gccttataag tcctaaagca	180
ttaagttgca ctttttgag gagggtagt gcagtatttc tctggccagt atgaatgaag	240
tttatactta ccatatttga tagaaacata gatcaagcta tggcacagcg actcatcaga	300
tagcttagctt tgacgtctgg gcacaattga accaacttcc atcgtgaatc tttataatga	360
ttgactttgg tgtatagtgc agtaaacaaa tagtgctcct agttaagtat ttgtcagcat	420

cctttgtct ctaactgtt tctatTTTA cagccacaca attctggca tgtattaaga 480
 aaaaaaaaaa tccctgtca agtagtttt ccacctatca gcactgagta aatgccataa 540
 atccattgaa atggctaaa tttccatct gttcctgt tttgccagtt atatagtaat 600
 gaaatacatt tgtaaatttt atgcaacaaa tggcaaacgt atcattattt taaaattgng 660
 tatgtaaaag ttatatttt acatgttagac tcttggtatt atngngttta atacattgga 720
 tcagtttgg ttttttaa aaactgnggg ttaaaaagaa gtctcattta aatgaaatac 780
 ctccagaatc agaattttag gtcattctga aatgtanga accant 826

<210> 1070

<211> 749

<212> DNA

<213> Homo sapiens

<400> 1070

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 aattgtattt atacaaatga gttggTTTta tattacgcta cttatTTGA aggacactct 120
 gctcacaaat tatacttagtt tgtagtttc ataaactagc ttgaatcaaa ataaaatgg 180
 gctaaaatgg atgttatttt caactgtgca ctcagtaatt gcaaatagtt gtactatata 240
 cctgggggtg aacacaaagg aagtagttgc atcatctctg tataaaacac agatttatct 300
 ttcgtgttgt tgtagcattac gtagaatatg gtaaggcaac atctgagttg tagaagtgct 360
 actggagtaa cagaggtgag gaatcggttc tgctcaaggg agaggactgg agaagagacc 420
 tagagggag agtggacctt gaagaactga ttggattct cctgttgggg aatgtgaatc 480
 ataaagctga ggttagggga acaagtatga ggctggcaag tagtcggTTT ggcaggagca 540
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 cttgataaat ttgacttagg taacaggttc ttttatcaag gagtgacatt ttatgtcaca 660
 aaaatTTTA aaccCATTTC tgnCTTGG aaaACCCAAA gggagcagtg gcatgtgaaa 720
 aattcttggT taaaagatt cnaaccatn 749

<210> 1071

<211> 777

<212> DNA

<213> Homo sapiens

<400> 1071

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 taaggtggtg agtgctgtat tagttcagca gaggttacctatgtactttggggacaga 180
 tatcatatag ggaattcatg tcagtgacca aacgaagtga ccattacagccctttgaaa 240
 cctgaggtgt aattttaaa aatgaactca tgacttaat agtcatagac tcaaacctga 300
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 ttggaataca gataaatcaa gtcactgtat tcactcttc tctcttggaa tagccttatac 420
 tttgcctata cacacaaaca gtgcagccat caaaattttcaatttacaaaatgttcacag 480
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 gctaattttt atatatcttat tagtctgga tattctagat gagtggcaactatgttcgg 600
 gctctagtca ctgtgccaga gcaccaggaa ggagagtgtctgctaccactgacagctgt 660
 tgtcatttag caaatttatta acatcttttggtaacatgtgaccaaag aagtcaccta 720
 attctctga gcccagcttc tcatctggtaaaaatgnctctnctatttttang 777

<210> 1072

<211> 696

<212> DNA

<213> Homo sapiens

<400> 1072

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 ttttgataa gatgattact tggttttttcctgttaaca agggagccta gatgtatgt 180
 tccatttggcttttagact ctaactagcaaaactaa gcccctgcaa aatcacatga 240

agacattgga aaatctttt atgttaaggca gagatgattt ggtcatagtt cgcaatgaag 300
 tgaccgtcag ttctattggc ttgaaataat aatgaaccaa agagggaaa tgaccgaagt 360
 cgaagttctt gaaattaagg atgttaaaat aaaattctga aatctagtat actgtggtat 420
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 aaatgtacca atgttaacag angcaagatg attattacaa acgtttatat ggattatatt 540
 agtttccag ggctcccata acaaattacc acaaaccggg cggcttcaa ttgatcctct 600
 cacagtttg atgccggang ctagaagtct aaaaccaagg tgtagtaag gccatgctcc 660
 cttcaacagc tntggggaga cccttccttg gctntt 696

<210> 1073

<211> 777

<212> DNA

<213> Homo sapiens

<400> 1073

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 gggtcacaga tttgagctaa aatgggaatc gaagaagtga ctttggcatt ttncatgac 720
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<210> 1074

<211> 709

<212> DNA

<213> Homo sapiens

<400> 1074

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 gtaactggag tccttggagt ggctggagaa catgcagccg gacgtgtaac ggagggcaga 120
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 gtgttattgg aaatattaat gatgttgaat ttggaattgc ttcccttaat gccacaataa 480
 ctgatagccc taactctgat actagaataa tacgtgccaa aattaccaat gtacctcgta 540
 gtcttggttc agcaatgaga aagatagttt ctattctaaa tcccatttat tggacaacag 600
 caaaggaaat aggagaacag tcaatggctt taccctncca atgcagtctt caaaagagaa 660
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<210> 1075

<211> 838

<212> DNA

<213> Homo sapiens

<400> 1075

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 caccctcaga caaaaggcaa acctattcaa gttttgatt tttgaaaatg tttcaatcag 180
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<210> 1076

<211> 798

<212> DNA

<213> Homo sapiens

<400> 1076

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 aacttaatga gtacttcaac ttgagtcaaa ttagtattgg tccaaatatc ctaatagtat 660
 cctctatgtg tgactctagg tcttacaaaa tcaaggtgtc ctttctcatt gagacttncc 720

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 gcccccccn atgactgg 798

<210> 1077

<211> 776

<212> DNA

<213> Homo sapiens

<400> 1077

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 gccacaagca attttggttt attttcata acagaatcaa agacatcacc aaaaactcca 180
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<210> 1078

<211> 740

<212> DNA

<213> Homo sapiens

<400> 1078

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 ggacagccgg gagagggggc cgatctctg gatctccca gcctccagat ctcagtgtgg 180
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 cccatggntt gacaaatatt 740

<210> 1079

<211> 807

<212> DNA

<213> Homo sapiens

<400> 1079

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 ctcattgaat ccccaagata atcctaggaa ttatgtccta ttcctatcat ccccatttac 180
 agatgaagaa agtggggcac agagaggcta ggggttgtc tgaaggtcac acagccagga 240
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 agtaaaaaccc ggcagtgaac ccccagcagt gttcacatcc ctggcacata ctgggcacat 360
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 aatttcctc atgcgaaatg gcaggtgtgt taaccttttca acatcatc agggctggag 480
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ggcaactcc cctccagagt tcagttctgc tggcacatgc ctaagtgatt agctggctct 600
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<210> 1080

<211> 716

<212> DNA

<213> Homo sapiens

<400> 1080

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 cctcagtctc ctgagtagct gggaccacag gcatgcacca ccatgtccag ctaattggtt 180
 aacttttct ttgcagaaat ggggtttac tgtgtgcct aagctgatct caaactccta 240
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 atatgttcag ttatatggca gttggaaatt aaggttgcga gtcagctgtc cttgagatgg 540
 ggagattatc ctggactatc caggtggac tttttaatc gcaaagggtcc tcggaagtga 600
 agaaggaagt caggagagtc agtgcagag tgatgccgtg ggacacagtc tttanggctg 660
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<210> 1081

<211> 734

<212> DNA

<213> Homo sapiens

<400> 1081

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 tttaacaggt ttcatttgct tttccccctt aatacatgaa tcctttatg ttttaacag 180
 ttatttgtt cagagggtct gcattgcata atgccatgag cagccaaggt tttcacgtaa 240
 tgattttta tgaaccatgc aaagacagct caagttatgt aaatctcagt gaactctcta 300
 gcgacaagag tcccaatcct taggcttcat catggagctg cttctctc aatgtatttg 360
 aattatttgtt ctagccaacc tcttctttc cccttgctgc agtatttag gaggaaggaa 420
 caggctaaat cctagctaga cgtgcgcattg cattctggta tttaagagcc aataaaat 480
 agccaggaat caccttgtct cctgtaccat acttggattt gtagttcaga tcttcaatgt 540
 agtgcttaaa agaaacacac actggggttt tcatggtaa gtccagggca agggcataga 600
 aagaccactt gaccctggat ggaacaacat gtggaaaccc ttcttgccct nctttttatc 660
 ttctttactt ttttactat gcccagggtt ggaaatgtgg gtggatgatg ggnnttactt 720
 ctttggaaang gtaa 734

<210> 1082

<211> 767

<212> DNA

<213> Homo sapiens

<400> 1082

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 ggcagcaaac tctccttccc tctcagtgc tCACAGGCAAG ccattctaat gctcggtgca 180
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 atagaataga atgataacaat ttatttatct agaaaagaga ttggatttcc ttggctattt 360
 tttcttatct ctggggaaaa agattgtatg acttcccttg gctgttggc cctagactct 420

gttatctcca aatccaaaat attcttacta ataactagct taaatctatc tggcagtaat 480
 ctaaacattc ttatTTggg atctaggcta atggaaaatt ttgaagcact ttgaatgctt 540
 attagcttt taaaatgaaa ataaatacga ttataaaatt ttcaaaagaa aaaggaaagtt 600
 catgcacttt gtgcacata gggaaagagc ccaatattt tgnttaactt taacattaat 660
 cttggcaaat agagtagtat gtcaacaaaaa tgcaaaatca gtcagangct gcttatatgt 720
 tacaagagtg tccngacaaa gaaacaggca gaccacttg gtgacng 767

<210> 1083

<211> 693

<212> DNA

<213> Homo sapiens

<400> 1083

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 ttcaacattt attataaagt tatagtaatc aagacatgta gtaatgccaa ctaagataga 180
 caaatcagag agtccagaaaa tagaaccaca catctatgtat aaatggtcaa ctgatTTTC 240
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 ggatacccat aaacaaaacc aaaaattttt aaaaactcatt ttggctgagt gcaatgcctt 360
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 gttttagacc tgcctggtca acatagtgaa accccatctc tacaaaagaa aaaaatttagt 480
 caggcacgggt tgcacatgtgcc tggtagtcccc gctacttggg agcctgaggc caaccatcac 540
 ttaagcccag cagtttgggg ctgcagttagt ctatgatccc atcactgcac tccagcctt 600
 gtgacagagt gagacccgt gtcaaaaaaaaaaaa tttttagccat tctccaaagnc 660
 ttgcctttt ctgggttaa ttAAAACCCN ncc 693

<210> 1084

<211> 746

<212> DNA

<213> Homo sapiens

<400> 1084

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 atggggattt gtcagggcagg ctctccaga taaaggtgaa ccttccctgt tggtttgata 120
 ggaggaggaa atggaatgac catcaagaga aaggtagttg ctggcttgag aggatcatct 180
 gtgcaacagg cagctaagca gaagaagact ttatatatat tttaataacc acccacactg 240
 ttgctagtagtat tccccaccac tccattggcc tggtaactc ttattcatcc ttcaaaaacc 300
 agcttaacca tggccttcag gaaatcttga gctggcttcc caggacagag tgggtcagtc 360
 ctctgcatgc tcctgctgct gtgctgtact caccatactg tactgttaatt tactggttt 420
 taagtcattt ccactgctgg gttgtgagct cctccaaggc aggggctttg ccttatctgc 480
 ctatgttccc aggacttaca cagtgcctga tgtgttagtag gtacccatg aatgttttac 540
 ataatttagca ggagcgatc aggttaaatta gcääagcaa ctgtggatg tggatgtca 600
 gacaatagga gtaggtggc ttatgggagc tgaagaacac atgctcctca nctctgattt 660
 attgctctgt gcnatagggg cccagtggtg gtggatctaa cacttttaa gaaaatctga 720
 caattcanac ttactggtg aatatt 746

<210> 1085

<211> 853

<212> DNA

<213> Homo sapiens

<400> 1085

ctgtctctgg atttgccttc tctgaacatt tttttttaa ctttttttc tggggcagg 60
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 atatagtatg tttgccttt cgtggtgcc tctctactt ggcataatat tttaatgtc 180
 catccatgtg gtaacatgtt tcaacttcc attctgcttt atggctaaat aatattccat 240
 tttgtggta caaatttaat ctatttttt tttttgaga tggagtctca ctctgttgcc 300
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ccattctcct ggctcagcct cctgagtagc tggactaca ggcgcccccc accatgtttg 420
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 agccaccgtg cccggccaa attaatcta ttatcaatt gatggacatt tgggttcca 600
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 ccaaccacag tcctgaaagat caaattctcc catcttgca agattggcat ggctttttc 780
 tattaaagcn cctattaatt atgaaattt tacatgacta caccacagnt ataatctgct 840
 gangaactac caa 853

<210> 1086

<211> 701

<212> DNA

<213> Homo sapiens

<400> 1086

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 cctctatattt cattccagag attaagatattt tttcaaatca ttaaaactggg gctgttatct 180
 taggttggc tggagatact aattacatgt caggttagtat cagttgcatt ggttattttt 240
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 ttgttacata ggtatacatg tgccatggtg gtttgctgca ccaaccaacc tgtcatctag 360
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 cccctgaca gctcccagtt tggtatgttc cccttcgtgt gtccatgtgt tctcattgt 480
 caactcctac ttatgagaga gaacatgcgg tgcttggtt tctgttcgtg tggtagtttgc 540
 ctgaggatga tggcttccag cttagaaagg aagttttgtt gaagagcaaa tggccgtat 600
 agtgcgtggca atcctgaagg actcttcaa gaatcatttgc gacagaattt tcctgaatat 660
 gaaagcngna ttatggca ttgacagctaaaggcttcan g 701

<210> 1087

<211> 596

<212> DNA

<213> Homo sapiens

<400> 1087

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ctcaataagt	
gagtggtgct	
ctgtgagctt	
ctggcgagta	
aggggcaccc	120
tactcattgc	
ggccgggggc	
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aaacgggtgg	
aaagaggcct	
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ggacattcag	
gcagtggcga	
cctccctcct	
gccactgaca	
gaagccaacc	
tacgcatgtt	300
tcaacgtgcc	
caggacgacc	
ttatccctgc	
tgtggaccgg	
cagttgcct	
gctccctcctg	360
cgaccacgtc	
tggtggcgcc	
gcgtgcccc	
gcggaaaggag	
atgtgaccga	
ctgcagaggc	420
cgcgccgcct	
cccccgtcg	
aggtctgcgc	
gctccgcccgc	
agggtgcaga	
cccggggcgc	480
ccgcctgggt	
ttggggcgca	
agagcagagg	
cggagccagg	
gcggagccag	
cgcgcggggt	540
ccccctgaa	
tcgaaagcga	
aacaggggcc	
gngagggaaa	
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<210> 1088

<211> 762

<212> DNA

<213> Homo sapiens

<400> 1088

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tagtggcgtc	
tctactattat	
ctgccacatc	
attaggtgt	
aataactcaa	
gtcatagaag	120
aaaaaatggg	
ccttctacat	
tagaaagcag	
cagatttcca	
gcgagaaaaaa	
gagaaaaatct	180
atcttcctta	
gaacagattt	
atggtttaga	
aaattcaaaa	
gaatatctgt	
ctgaaaatga	240
accatgggtg	
gataaatata	
aaccagaaac	
tcagcatgaa	
cttgctgtgc	
ataaaaaagaa	300
aattgaagaa	
gtcgaaacct	
gttaaaagc	
tcaagttta	
gaaaggcaac	
caaaacaggg	360
tggatctatt	
ttattaataa	
caggtcctcc	
tggatgtgga	
aagacaacga	

cctaaaaat actatcaaag gagcatggta ttcaagtaca agagtggatt aatccagttt 420
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 aagatttacc taaccagttt tatcgggatt ctctacttt acatgaagtt ctaaggaagt 660
 atgtgaggat tggncgatgt cctcttatat ttataatctc ggacagtctt cantggagat 720
 aataatcaaa gggttatttgt tncccaagaa attcaggaaa ag 762

<210> 1089

<211> 752

<212> DNA

<213> Homo sapiens

<400> 1089

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 gggacattaa ggagggaaat aaaaagccaa gagaataaaa ataaatatta gaaaaggtta 180
 aaaagtatct caaaggaact gtagatata gaagataatg aacaaaaatc caatatgtat 240
 atgtacacga tatgtatatg tatgtataac tgaaaacccaa aaagaagata aacaaaacaa 300
 tggaacagaa ttaacactta aataagaaaa cttccaaaa attaaagcag acctttaccc 360
 ttgtatttat aggacctact ttgattcag attggtaac tctaagacat attttagtaa 420
 aactattgtt ttctaaagaaa atttcttctt aacttctggc aaaaaaaaaag ccaagtcttt 480
 tacaaggtaa agaaagtcaa gttgcagct gttttcagg tattgaggtt atactgaaat 540
 cgtttcagc atgcagaact cagggaatat tataacccca agcccattct gaggaattaa 600
 ttagagaaag ctcttcatca aagcaagaga tgatcaattt aagacaaaaa caagcaagg 660
 gacaagggtta gaatagtgnatgtgtatc angctcagtc caatgaaaga gaggaaccac 720
 cccagtaatt tggAACCTTn gaaaggtaa at 752

<210> 1090

<211> 671

<212> DNA

<213> Homo sapiens

<400> 1090

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 ccaatccatt catgagggat ctgcctccat gacccaaaca cctcctacca ggccccatct 180
 ccaccatggg ggaatcacat ttcaaatatga ggttggagg gacaagcatac caaagtatgt 240
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 ttccgatggg caattctccg agctttttc agagccatgg ttgccttcag ggaagctggg 480
 aaaagaaaaca ttcacagaaa aactggacat gatgatacag cgccatgtgc aattttggaa 540
 agtatggata gtttttagctt tctccaacac ccagtccacc agaggagctt agagattctg 600
 cagagatgca aggaagagaa ntacagtaag gntnccaatc tggtaaactg gtattaccat 660
 ttcccttttg g 671

<210> 1091

<211> 769

<212> DNA

<213> Homo sapiens

<400> 1091

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 cctgagccct ccgccccccg gcccactcc ccgttctccc agccttgctg gctacttcca 660
 ctccccaaag agccttcagg ggccttcttg gcgtgatcaa aacaacaggg ccaccagntt 720
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<210> 1092

<211> 721

<212> DNA

<213> Homo sapiens

<400> 1092

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 gatcacgagg tcaggagatg gagaccatcc tggctaataat ggtgaaaccc catctctact 180
 aaaaatacaa aaaattacct ggcgtggtgg cggcgccctg tagtcccagc tactcaggag 240
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 atgggtcttt ttttgacttc ttcttagtg gctccacttc tttagaagttt atgagcaatt 660
 cctgctatag cagcagagcc tntaccaaag cangggact tcanggaacc actgggtgtc 720
 a 721

<210> 1093

<211> 753

<212> DNA

<213> Homo sapiens

<400> 1093

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gtggccctgt tggtatctag gaagttttt catttgtgg tggcaactga gtgatctgtt	120
atgtctactt ttccctctc cctgtcccct ccccatctt ctctctctc ttttcttct	180
ccctttttt cagtcaaggt agacttgaga tagggactt gcatggctat agtagatcat	240
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gactttgaga accaaagggtt ctctctgtaa ggaaatgtgt taacctgatt tccttgcct	420
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ggcgtatatt gcatcttc ttagatgcaa tttgaagga aggctctgtg cacaataggc	660
atttttttc agattcccta ntaggataaa tagggagaat gtttggAAC acagatcaag	720
tggncaatat tgggttaatg ggnccatggga agg	753

<210> 1094

<211> 694

<212> DNA

<213> Homo sapiens

<400> 1094

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catggcaaaa ccccatctcc actaaaaata caaaaattag ccaagctga tgggtgtcta	180

tagccccatc ctctttggag gctgcagtgg gaggattgct tgagcccagg aggtgaaggc 240
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 ccctggataa aggacccttt tcctgagcat gtggctctgt ctcagaagca gccccctctcc 600
 ctgggtcccc agtagagctt ccaggctcan atgaataggg ccactggctt tgctctacat 660
 agaggnnccta aataattaa gnggcttaaaa agcc 694

<210> 1095

<211> 854

<212> DNA

<213> Homo sapiens

<400> 1095

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 gttttctata ccttgggatt acatgttata caaaacagct gactgacaat gcagaatgag 180
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 ttataaaacc tctaaccatc tcttgntct ttgaacatgc tgaaaaccac ctggtctgca 660
 tgtatgcccc aatttgtaat tctttctct caaatgaaaa tttaattttt gggattcatt 720
 tctatattt cacatatgtt gtattattat ttcccttatat gtgtaaagggtt aatttatgg 780

atggantgg tccagaaaaat atnttttaa agcttcatt tttcccaag tggatgatta 840
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<210> 1096

<211> 791

<212> DNA

<213> Homo sapiens

<400> 1096

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 acaacacata atctcagtgt ttctatgtgt agaacaaact tcttaatttc tatataagca 180
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 cctgtactga aatgaacata cggtaaaatt caagagaaac tgaggttcaa aataaatttt 600
 acttctgagc ttggaataca agagagtaac agactgctgt cctaattata atacctttt 660
 gacacattgg tatagtcctt gccacctctg aataaactgc catttctacg taattggtgg 720
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 aagtgtggct g 791

<210> 1097

<211> 747

<212> DNA

<213> Homo sapiens

<400> 1097

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 aatttgattt tcctttctt ggaaaccact actttaaaaa gggctcgcc tttccctttg 180
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 gtgaggcaaa aggaggagta ggcgcgcac agaaacgccc tattcaagcc ttggcagcac 660
 accacggcag taaagcttagc ggacccttcc ctggggtgcc tttaaaccgc nctgcattca 720
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<210> 1098

<211> 825

<212> DNA

<213> Homo sapiens

<400> 1098

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ccacacagca atgagccaa agaccccctc gctttggaa ttattcatgg ccctgctcat 540
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 catcttgcc ttggcagtga agctggaatg gcacatatct atctggtgc acatcttctg 720
 ccttagtggag aaccctggaa ggcaacagac acttgagcaa gcacnaggaa ggaaaatgtc 780
 ctggaaaggc agggactntt acccaagncc ctacattccc agact 825

<210> 1099

<211> 758

<212> DNA

<213> Homo sapiens

<400> 1099

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 tcagctgagt gagattccca tgtctgagga ggtgatcagg ggtgatgatg acttttgatg 360
 gaactgacct cacacagggtt tctggggaa aaaacccacc aaactttatt ttaagaattc 420
 taaaacaatt ttacaattct gatttgagta gaagtttgat ttgaaaaggg acttcatctg 480
 caccttctct cttgccttgc ttatagatg tcagtaatgc ccgtattttt aaaaaggtaaa 540
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 aggatttctn cccccttcag tagtttcaga tcccaatggc taggcaatat ggagataata 660
 gtaaacagga ttttgtaaga natggtattt atttattttt ttttaaatan agataaggct 720
 ttgctatgtt gcccagccgg ctgactcct gggttc 758

<210> 1100

<211> 551

<212> DNA

<213> Homo sapiens

<400> 1100

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ggtaggtacc	attattattc	ccatTTGCA	ggtgaggaaa	ctgagacaca	gaacggtaaa	180
gtaacttgcc	caaagtacaca	agcttgcaag	tggcagaact	gggatttcaa	ccctacactc	240
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atgcaaatgc	attttaact	cacagtaaga	tacccaatct	cacaaaacat	attgtatttc	360
agtgatttga	agctataacgt	tttactttt	tttttgtttt	tttttgaga	cagagtctcg	420
ctgtgtcgcc	caggctggag	ttcagtggcg	cgatctcagt	tcactgcaac	ctccgcctnc	480
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<210> 1101

<211> 833

<212> DNA

<213> Homo sapiens

<400> 1101

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ctaattagat	tttttaattt	ttccatatct	ttaagaata	ttttcagtt	tgtgacagga	180
aatagacctt	ttagcttgg	ccaaggctac	taggcactgg	ccaagcataa	aaggcatagc	240
tctactctgc	tccatttagc	ttgtttcttt	atccttggct	ctgtcattta	tcacaatttg	300
gaattgtcaa	catgaggctg	aacactaaaa	aaaattctgc	taacaaaggc	actgtgtttt	360
ccatgcctga	gtcaacccac	tgcctttcc	taaatgccaa	agatgggaa	atgggatgg	420
atttcctgga	ttactacttg	tacttaaacc	tgagtaagtt	ttgaatttgg	aagacacatt	480

ccagccagag agggtggatt ttggacccat gttcgagtgt atcagccacc cagattgggt 540
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 ttctatattc tagccctgtt ctccccagtt aacagtcctc agaggaagaa acgagtccat 720
 aaggcagaat taaaagctg tgtacaaatt taacatttt acccatggca agacatctag 780
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<210> 1102

<211> 771

<212> DNA

<213> Homo sapiens

<400> 1102

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 gttagtttag atgaggtatt tggaaacttgg aaagaatttt acaggttaatg atcagtaatt 180
 cgtcttatgg gtaaactgtg catccatcta gaattagtat gttttaaaag aagaatcatg 240
 aaaataaaaaa ttaaagttt cagtgaagta gaaaaggtaa ttcagacatg tagaattatc 300
 cttaagattt caagtaatat ataggtaatg agaaatgaaa ctgtttgaaa aataaataga 360
 aatgatagga atttgaatt atcagaagtt gggagttactt ttacatttcc tgcttaataa 420
 aatgggcctg agttacacaa aatatttcag cttagtcaaa ttttgcttag gttggaaatt 480
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 ttcccttgtaa taaccgagcg gggcaggttc tggccttacc tccattttac acctgaggaa 600
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 gccagctgtt ggagtcccag gtgtgtgctc ccacgctt actggcacct tcactcttaa 720
 tgggtgangg atggaaaata nggctccagt gctggatgan taagcctgtat a 771

<210> 1103

<211> 768

<212> DNA

<213> Homo sapiens

<400> 1103

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 cactttggaa gacagttgg cagttccta ccaaagcaa catacttta ccatgtgatc 240
 cagccatcat gtccttggc atttacgtaa atgaaatgaa atcttatgtc tacacaaaaa 300
 cctgtacata gatatttaca gcagatttat tcataactgc caaaatttg aagcaaccaa 360
 gatgctcttc agtaggtgaa tggataaact gtgggtcatc cagacaatgg atattattca 420
 tcactaaaaa gaaatgagct atcaaggcat aaaaagacct accagaaact taaattgcat 480
 attattaagt gcaagaagcc tatatgaaaa gataacatac tatatgattt caactagata 540
 acattttaga aaaggcaaaa ctatggagac agtaaaaaga tcactgggt ccaggggtca 600
 gtgtggaggg aaggatgaat agtagagca cagggatat tttggcagt gaaactattc 660
 cttatgatac tacaatcatat gatgcatgtc attatcattt gcccaaacc acagaatgcc 720
 caacaccaag gaatgaaccc ntaatgggaa acctatngga aatnggg 768

<210> 1104

<211> 333

<212> DNA

<213> Homo sapiens

<400> 1104

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 agtgaaagac aagagaaaaga gaggagtaac aaaacctggt tatttaatat aatagccagg 180
 gtattctaaa tggtagtttgtcatacca actgatattc caagccatt gggtgatgcc 240
 agtggtgccc ggccgtgggg ggagggcggt tggaggggaa agcgagaggt gggcatactg 300

agtgccttaag aaacgtacag aanaanaata agn 333

<210> 1105

<211> 745

<212> DNA

<213> Homo sapiens

<400> 1105

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 gtttatttgt cattttgtg aatttaaga tagcatagcc ccaaagtaga acctgtatac 120
 atacagtaat cccaaactata tattttatgt acctcatcca tgctctatgt agagaatgaa 180
 taaatgcata atatatcagt aactcatttt cttctcatcc agcttagttg tcgctgaata 240
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 aaaagaaaaat ttgaaaaaaaaa attttttc ttaacaggc agatcaagca taagctgccc 600
 tgctgagcaa tcattttatg attaggagtc cctaaaaggt ccatagagcc aactataagt 660
 catttgggttgc aaactggagt aacagggttc cataggagct gattgtagcc aaaccatttgc 720
 atgatatttgc gntgnagatn gagaa 745

<210> 1106

<211> 800

<212> DNA

<213> Homo sapiens

<400> 1106

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ctgcctattg ggaactatgc tcactacctg gggcacagaa tcatttgac accaccttc 120
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<210> 1107

<211> 749

<212> DNA

<213> Homo sapiens

<400> 1107

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 gtttaggccca gaggttcaca ggaacctaatt cctgtatttc cccttaggagc aatagttcag 480
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 ttgngaatag tatctggttt tatgctatat tttctaattt gggtaact gatgtgcana 660
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<210> 1108

<211> 432

<212> DNA

<213> Homo sapiens

<400> 1108

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 ggaggaaaag atgatttcat gggccaggcc ctgggctctc ctgctctgt cagactgcag 360
 acttggtac tgcattcca gaagctccag ccatgcctaa aagaancaa ggtnagctt 420
 gggntttggc tt 432

<210> 1109

<211> 667

<212> DNA

<213> Homo sapiens

<400> 1109

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 gcttctgctg aaggttagcat tgctgctggg ggtggaaatt cactgggtg tcactttcac 600
 tggcttcagc cccttctagg aangggaatg gctggcgtgc ccagnttcaa cccaaaccccc 660
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<210> 1110

<211> 778

<212> DNA

<213> Homo sapiens

<400> 1110

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 accacagggc tggctggtag cttcgaa ctgttagtgg ctttatctt gctcttggaa 540
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 tattctgcaa accaaacact ttagtaaaac tctctacttc tagaaatggg ttaacattat 720
 tggnggggtt tcacaatccc cttaaactt ganagccctc ttggaaatgt aaaatnct 778

<210> 1111

<211> 735

<212> DNA

<213> Homo sapiens

<400> 1111

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 ggaggttcta ttacttggt attaaacaag ttcaaatgtat ttttttttt ctttaatga 660
 ttanctttt cttactgntt caaatttggt aaaagtgttc tatgagatattat tattttatta 720
 atttttttgg aaccn 735

<210> 1112

<211> 767

<212> DNA

<213> Homo sapiens

<400> 1112

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 caagatctcc gtcactgca acctctggct ccccagggtc cgccaacacg cctggctaat 120

tttgcattt ttagtaaaca cgagggttcg ccatgtggcc caggctgta tcgaactcct 180
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 gcctggccaa tatggtaaaa cccatctct agtaaaaata ccaaaattag cactcaacc 720
 tggatgacca gancgaggat tncatnttaa aaaaaaaaaaaa aaaaggg 767

<210> 1113

<211> 679

<212> DNA

<213> Homo sapiens

<400> 1113

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 ttatataatg gcccagccag gttcattcct tgatatcctg gcaactgtt tagatattaa 180
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 catgaaggtt tccttggctt ctgcctgca gccatattgg gctgcttnca ngagaagaga 660

agaatgtant gacactgca

679

<210> 1114

<211> 735

<212> DNA

<213> Homo sapiens

<400> 1114

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 agaattgtatg acttagacaa taccgatttc ttttttattt gttattatac tttaagttct 180
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 ggattacagt catgtgccac cacgcccagc taattttgtta ttttagtagt agtcgggtt 660
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 ttccaaagtg caaaa 735

<210> 1115

<211> 871

<212> DNA

<213> Homo sapiens

<400> 1115

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 ttcatcttca gagatgagca ttttccttc ttccagggat cgggaggccc tcacatgagt 180
 gtcttcgtac ctgcttcgt ggaatgttg aaaagcttc ctaagctgt tgccctgcatt 240
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<210> 1116

<211> 838

<212> DNA

<213> Homo sapiens

<400> 1116

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 cgctgctggc ctggcagcca ggacttctcc gtgtacgtgc atccccagtc cccgccccggg 180
 cggcgccgcc gccagagcag ctgtttacaa tccagagaca gaaaacaaaa tctagatgca 240
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 ctgggccgn ttgacccaaa tccaaacccc ggaagcttca ggcttcggat gngtcctgaa 780
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<210> 1117

<211> 802

<212> DNA

<213> Homo sapiens

<400> 1117

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<210> 1118

<211> 839

<212> DNA

<213> Homo sapiens

<400> 1118

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 aataattaaa aaaagagcta ccatatgatc tagcaatttt gctttgggt atttatacaa 180
 aataattgaa atcaagataa aagtgtatgt tgccctccca tttttattgc agcattattc 240
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 aataatatga tagattaaa aaaactcaa tcactacaac atctaaaaat tttttggtg 780
 aaccttagag aaatntatat ttaatccaa aatgtgnca cttttgggt gtttttgg 839

<210> 1119

<211> 777

<212> DNA

<213> Homo sapiens

<400> 1119

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 cagaacctcc gcaggctggatcatctcgac cttcctgcgttgtccaaacctc tggcctactc 660
 agatatttgtt ggaggagatgc tggcccaattt gcgaagntgt gggagtcgac tggctgaag 720
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<210> 1120

<211> 881

<212> DNA

<213> Homo sapiens

<400> 1120

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gtttggcaac atccaaatga ataaatttt tacctgnatt gcagtaaaga aatgccctt 780
 aaaagctcac ttccnacatg ttgacagggg aaagcccta cacggggtc ccagaatctg 840
 gcaggtcccc cacaggaatg ctgcatttga aaangncctt a 881

<210> 1121

<211> 741

<212> DNA

<213> Homo sapiens

<400> 1121

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 gcgaaaggat ttcaaggaac agatcatnca ccatgtggcc accatcattc tcatcagctt 720
 ttcctggntt gncaattaca t 741

<210> 1122

<211> 830

<212> DNA

<213> Homo sapiens

<400> 1122

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tgaagcgtgg ggccggcatc gtctttccgt cctctgagac gacggccgcg gctgcacagg	180
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gctgaataac cttcatgcac ttatggcagt gggttctggc ctacagagtg ccccaatttt	720
cangttgact aaaacattgg gcgttattaa gtcgaaaaga caaaactacc tttgaaaaat	780
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<210> 1123

<211> 652

<212> DNA

<213> Homo sapiens

<400> 1123

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tacccatcgcc tccagatgtt ctgggattac aggacactga catcacgccc agctaatttt	180
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agccgaggtg ggcagatcac gagatcagga gatcgagacc atcctggcta acacagtcaa 480
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<210> 1124

<211> 736

<212> DNA

<213> Homo sapiens

<400> 1124

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 gtagttgagt caactggta atgaacatta catatTTTC tatactattc tctgttgtt 180
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 aataatactgt acttgcagga agtagaaACC aataatactgt acttgcagga agtagaaAGC 300
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 ggtgcactgt acctgcagga ggtagaaAGC cgtgcactgt acctgcagga ggtagaaAGC 660
 gatgcactgt cctgcaggag gtagaaAGCG atgcactgac ctgcaggang tagaaAGC 720
 tncctgacct gcanga 736

<210> 1125

<211> 836

<212> DNA

<213> Homo sapiens

<400> 1125

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<210> 1126

<211> 829

<212> DNA

<213> Homo sapiens

<400> 1126

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<210> 1127

<211> 861

<212> DNA

<213> Homo sapiens

<400> 1127

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861

<210> 1128

<211> 815

<212> DNA

<213> Homo sapiens

<400> 1128

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<210> 1129

<211> 866

<212> DNA

<213> Homo sapiens

<400> 1129

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<210> 1130

<211> 798

<212> DNA

<213> Homo sapiens

<400> 1130

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<210> 1131

<211> 644

<212> DNA

<213> Homo sapiens

<400> 1131

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 agaaccaaaa agaggccggg tgcagtggct cacacccata atcccagcac tttgggaggc 480
 caaggcaggc ggattatttg aggtcaggag ttcaagccca gcttggccaa catggtaaaa 540
 ccctgtctt actaaaaata caaaagtcaa ttgggtgtgg tggcacatgc ctgtaatccc 600
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<210> 1132

<211> 604

<212> DNA

<213> Homo sapiens

<400> 1132

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tctgcgcagc	cgcaggcacf	ggcactgga	cagagatgtag	gatcccgagc	cacctctgga	180
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gcaggagccc	ggcgccccgtc	cgcattctcg	gccatccaag	gggatgtccg	gtctatgccc	300
gacaattcgg	acgcgcgtg	gaccgccttc	gtattccaag	ggccgttgg	ttcccgcc	360
actggccggg	ggactggaaa	ggcancgggc	atctggaaga	cgcgcagccgc	ctacgttggc	420
cggcgaccccg	gnngtgcgg	ccctgagcgc	gccgccttat	tcgggagctg	gaggaagcac	480
tgtgcctaa	cctacctncg	cagtcaaaaaa	gatcacccag	gaagacgtca	aagtgtatgtt	540
atatttgctg	gaggagggtgt	gtactgnctt	cctgatccag	attttccac	ctgtctgnag	600
nagc						604

<210> 1133

<211> 868

<212> DNA

<213> Homo sapiens

<400> 1133

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aatgatcata	tagacactga	taaataatag	tcaactttat	tactgtggtt	caaaccaagt	180
ggaggttgta	tgttttgtct	agaaaaatata	taaactacaa	aaagttata	aacacctaag	240
tgaatgagta	aattaaatgt	ggggagtaag	attcaattaa	gataaagtcc	taattttctt	300
ttaatcaaat	gctctgcctt	gtactcctta	aatggatgc	actggagctg	attnaacat	360
tctttggtgg	tcacaagatg	tatagctgcc	tctgtatgtt	tggcgcatgg	aaaaaaatat	420
gagttttgt	ggacatacac	tctttatgg	aaaagtatga	aatataatcc	aagaaagcc	480

gccatggctc agtgataaat atgaaattga tatgaaacat tatattgatt aatcacctt 540
 gaggtatgatt aataaaagag agaaaagtat tctatataga gatgcaggac tatttcaggc 600
 tcaticatga tcttagtttt tgtgcttcat ggntattta ttatcatcaa taaaaagaaa 660
 aaagaaaaaa atcttataact gnccaaaaaa ttagggagac cagcgcccag tggtcatgtg 720
 aagggggact agtggccatt tcaccaagca gcctggaaat gctcatcctc cangcattt 780
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<210> 1134

<211> 766

<212> DNA

<213> Homo sapiens

<400> 1134

ccctgatgac ttgttagatgg aggggtacat atgaaaaggg cttagatgt gcctccagga 60
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 aagaaattgt attctgcca caagaagatt tggctgacca tgagaatgtat tttttccta 180
 gagcttccag atgaggactc agtcatcaga caccagatt atagccctgt ggtaccctag 240
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 aacatgctct gtttttcta ctcttgcatc accttggctt ttctgttctc ctccattcat 420
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 tgagaagaaa gttgggtgt ttttaaaatg acttaagttc agctgtttc cgagttcatg 540
 ggaaaataag ccatttttt tctgccaaac ggtggattt aggcttgcag gatgaaatat 600
 tttgcttctg acttctccag ctgagaagca ggcataattt tctgtgatta ttaatattgc 660
 aaactctaga aaatgcaagc tagcctncc agaagtttc tcactggctt acactccat 720
 tgccctaagg gaaatagaag ggtgaagact gnctttcctt ntcaga 766

<210> 1135

<211> 727

<212> DNA

<213> Homo sapiens

<400> 1135

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 caccctctct tccccctttt aatgtagaac tcattctaa tgatttgtca aaggcaccct 180
 atttcactga aatgccttct atattcccta ccctccaagt ggattgtaga ccttctaagg 240
 tctttgaca tctgcataatc tctagcacag cacttatac ggtgattatt tatctgntca 300
 tctttccaag tagacactct catttaact ccctacccta gtcgccagca tccccagcat 360
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 atagatgaga atcctatatt ctacaatttt ttaaatgtac tgaaattatt cttttgaat 480
 cctcctattt atttctgtga cttctttgat gacaaagttt gaaaaaagtg gaggttagta 540
 gggagatatg aagggatgca ggtggaaagca gtgagcctgg gcgggtgatg gagtgggaga 600
 tacgtggcac aggggtcaag tgagttaaatc tgggctcatt cagagaatgg aangtgtgtg 660
 ccaagaaaac tgggtggata nggataggtc anggattccc tcttgcattc tcacacttgg 720
 gggcatg 727

<210> 1136

<211> 866

<212> DNA

<213> Homo sapiens

<400> 1136

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 acaccacccatctccacc atcggaaattt attttaaaat tagaacgata gaacttagatg 180
 gaaagaaaaat taagcttcag atatggaca cagcgggtca ggaaagattc cgaacaatca 240

cgacagcgta ctacagagga gccatggca ttatgcttgt ctatgacatc acaaatgaaa 300
 aatcctttga caatattaaa aattggatca gaaacattga agagcatgcc tcttccgatg 360
 tcgaaaagaat gatccctgggt aacaaatgtg atatgaatga caaaagacaa gtgtcaaaag 420
 aaagagggga gaagcttagca attgactatg ggattaaatt cttggagaca agcgaaaaat 480
 ccagtgc当地 tgtagaagag gcattttta cactgc当地 agatataatg acaaaaactca 540
 acagaaaaat gaatgacagc aattcagcag gagcagggtgg accagtgaaa ataacagaaaa 600
 accgatcaaa gaagaccagt ttcttcgtt gctcgctact ttgatgaact ctttctgaga 660
 gactgc当地 caccttagagg gcccttc当地 gcttctgt aagcacaggt caccagctc 720
 agaatcacac cttccggctg ctgctganag cccctgactt agaccttaa cacagtatgc 780
 cagtgattc cagcctcatg ggctagcaaa gaacagactc ctttcaaca tggaaancatg 840
 aatggaganc ttcagaccta ctcgtt 866

<210> 1137

<211> 886

<212> DNA

<213> Homo sapiens

<400> 1137

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 tggtttatgtatgtttaat tattctgtaa ccaggattt gtagatgcat agtgtatgtc 180
 ttttccatt ggtaaaaattt gatctataact gtggaaagat gaaactttat tactttctt 240
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 atagaaaaaga tatagcagta gatgagtttggtttttaaaa aaagttatag tctgcttgtt 360
 ttaaccaaaa gtaattaaa aattaatacc acattaaaaa gctattcaa aagcaatatg 420
 aaaaggagga ttatTTTta tttaacata ttattggc当地 tgggtgttgtt ggctcatgcc 480
 tgtaatccca gctgaggc当地 gcagatcact tgaggccact agttcgagac cagcctggcc 540
 aacatggcaa aaaccttctt ctaaaaaaa tacaaaaattt agccaggcat ggtgggtgtac 600
 gccagtatttccagctactt gggaggctga ggcatgagaa ttgggtgagc ctggggaggc当地 660

gaggttgcag tgagccaga tcgtgccact gcactccagc ctgggtgaca gagtgagatt 720
 ctgtctcaac acaaccacaa aaaaagtatt gtttgtaaa aangggacct taattcacta 780
 actactggac ccattagtaa gttcctctt caaaaagctt ncctggagtt ttctggagt 840
 attcagaatt tacttgaag tattcaaant gggccctggc nttaa 886

<210> 1138

<211> 865

<212> DNA

<213> Homo sapiens

<400> 1138

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 gtcattttgt ttcatttat tagctggat aatttataag agcaatactt cccatatcta 180
 tcatttggtt accttagtatg atagttcaaa agcaggaaaa aaacattatt tttccttt 240
 atttaccagt gttaatata agttactggt ttcttgacat cccttaaaga tgcattcaatt 300
 actataaaaa tcattatgaa ctcacaaatc ccattgtaat tcttatttta ttgaagctcc 360
 aatttcccattt cattggccaa tgaaaaactc ttcaagttgg ctcctgaatc tttggaaat 420
 taccccgatc gtatttgata gcttccttgc cacctggat gtcaagatgt tttaggttca 480
 tcctgtttct ttccgtcccc atacagggag taagcaaat ctataagaac ctctgatttc 540
 ttccatgggg aaataatatt tcaatattac aatttgaatc tagctatgtt tactgctaca 600
 actgggttgg ccattatttc tggactttt tagttatag aactaggaa aatatatctt 660
 tttaatatta tatttatcat atcctttcc acactgagaa tcatgggtct caaangcact 720
 angcaatgat agaattaaat atacncaaatt tctcatttgc tttatcatcc aaatcccccc 780
 acaagctcag aataatattc caatactggc atcatcaatt atgaatatgg gaagctgtga 840
 acaactggtt taaaacngac gacca 865

<210> 1139

<211> 493

<212> DNA

<213> Homo sapiens

<400> 1139

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 tcaaccatta tccttaaatt gaatgtgtta ttgtcaactat gttgtgtcct ggttagggcat 120
 ttttgacagt gaatgttgag aaagcatatg catgtgacag ggccggatttg tttagaaggcag 180
 tggaaaggtg agtactaaac tgggtgttta aatgcaagc ttcagctggg cacagtggct 240
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 ttcaagacca gcctggccaa catggtgaaa cccctctt actaaaatac aaaaaaaagta 360
 gctgggcattt gtgggtgcattt cctataatcc cagctacttg agaggctgag gcaggagaat 420
 cgcttgaacc cgggaggctg aagttgcagt gagccaagat cgtgccacta cactccagcc 480
 tggggcana nna 493

<210> 1140

<211> 732

<212> DNA

<213> Homo sapiens

<400> 1140

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 gacgtgattt cctgggacgg tccgtttctt gccgtcagct gccggccgag ttgggtctcc 180
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 aggagattgt cttccagggc tagcaattgg acttttgcgtt atgtttgacc cagcggcagg 300
 aatagcaggc aacgtgattt caaagctggg ctcagcctt gtttcttctc tcgtgtatcc 360
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 tgacacggaa atgggagaaaa ctcccaaggca ggaacacctt ttgctgtat ggccgcgtca 480
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cactttctt cgcccttgan tgccgctacc tgctgttcag ctgtctcctg ccatccctgt 600
 atttgctgcc acgctcttct tttctccatg gctacactgt tgangaccag cttcagtgac 660
 cctggagtaa ttccctgggc gctaccagat gaacanctt catanaaatg gagatagaag 720
 ctccaaatggt gc 732

<210> 1141

<211> 863

<212> DNA

<213> Homo sapiens

<400> 1141

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 tctactagct acatctttt atgttaatag gtttttact ttttcagag aaaattatat 120
 ccagcatttt taatcttag actaataaca ccaggtagac acaaagctat tcctggaaca 180
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 acacaaatac ataaaaaaaata cagactaaac tataatagaa ggcagtttc tctgggttt 300
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 cccaaactat gtgtcctcag tattgtggga agaaccact tcatgatttc taaccagggt 660
 agcctctgga agtcaaatga ttgctgtaaa attatgaaca gagcagcatc aggcttgct 720
 ctgatgtatc ttatgaagcc tttctacttn caaatgaaga ctatgaagag aaccttgaa 780
 caatgccctt ctggggagct cattcagcaa ggcataatctg anggcatatc tgggtccctc 840
 ttacgcattgg aggaatcntg ngg 863

<210> 1142

<211> 788

<212> DNA

<213> Homo sapiens

<400> 1142

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gagggaaagga	cggggcctgg	ccccgggac	tcccgtgcc	ttgcttgag	ctgacgcccga	180
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caattgtctg	tagtccaacc	gctgttaaca	cccagagaaa	actctggcag	ttggtctgca	720
aaaatgagga	agagttaatc	aaagttataa	ngacanttt	ncagaatctt	tctttactat	780
taaagacc						788

<210> 1143

<211> 811

<212> DNA

<213> Homo sapiens

<400> 1143

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gacaggaatg	aagtctgtca	cgggcacacc	atactggatg	agccctgaag	tcatcagtgg	180
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aactgaaaag ccgccttggg ctgaatttga agcaatggct gccatctta aaatcgccac 300
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taattttat aatgtactga tgtggtcag agagataaag cacttagta catagtcact 720
cttttagta caaacaatc atttggaaat acctaaagat tgtagagnca ttncctttat 780
cactgacaca ttagtgacca tnggaaagac c 811

<210> 1144

<211> 762

<212> DNA

<213> Homo sapiens

<400> 1144

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aaggcgtcaa tacaccctac ttgtactttg gcatgtggaa aaccacgtt gcttggcata 180
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cagccagcca agaactgagc acccagaagg aagtccagtt acccaggana gcaacgctgg 720

gcctgagaca actnccttcc actggggcccg gnattccctt gg 762

<210> 1145

<211> 763

<212> DNA

<213> Homo sapiens

<400> 1145

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ggaccacatt ttgagtagca atgagataca tctgtgctgt ccaataggca gccactagcc 420

acatgaggca atttaaattc tcaattaatt aaaatagaaa attcagetct tcagtcacac 480

aagacacatt tcaagtactc cacaactaac tgtggctagt gccaaatata gaacacgtat 540

agatgttat agacacctat agacattac agaatataga acatttcat tatcacagaa 600

agttctgctg gacaccacca cttttatcat tccatcatta aagagtatgt aaatcttgta 660

agagggtcaa gttcaaagca gggatatcag cgattgcctn ttaaccttat aaggagnnta 720

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<210> 1146

<211> 878

<212> DNA

<213> Homo sapiens

<400> 1146

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atatgtcaca ttcgttagtaa ctgtcgtgtt tagaccttga tgcaacagag tagtaataa 180
tgtcatttat ttgtgggttt ccaggaagag cttgtgaatt tattttactg acattttgtt 240
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catcagcatt ggatgtgaag aaaggggtcc gataacccaa aagtataaac aacatagttc 420
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<210> 1147

<211> 817

<212> DNA.

<213> Homo sapiens

<400> 1147

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aaccgatcg agctccagca gccgggaaca gctggcattt cagtagaacc atggaggagc 180
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ataataataa aaaagatcac agtgactctg atgaccaaatt gtttagtagca aagcgcaggc 480

cgtcatcaaa cttaaataat aatgttcgag ggaaaagacc tctatggcat gagtctgatt 540
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<210> 1148

<211> 651

<212> DNA

<213> Homo sapiens

<400> 1148

tcagattatg attaaattag atattaaaca cttcaaccac ataagaatat tgaggactgt 60
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 ttagagaaga gtatgggtg gatatgggag gttggattag ccgactaaac tttgaagttt 180
 gcaactttag cagatgttgg gatagaagtt aacacagtag ttcaaattga ttgcactt 240
 catggttat agaaatgctt tcacattcat atctgaatat ttgaaacaac ctantggta 300
 ggtaggtaag caatttatc tgtgttccc atggaagaaa ctgaggctgg gagatgtca 360
 ttgttgttta tccaaggta tatacgatgt aagtagaaga gtccagatgc aaacccaggc 420
 cacctgaaca atgttacat catttacca tggagaagag attagtgc ttatttgtct 480
 aacactctgg tcagnaaat taaagtatct ccgtgtgaaa cagcatgcaa aaggctttgg 540
 ttctaataattttaacaaat cccttttagat cggtggaaat taaacaaata cctanggcan 600
 tgtggactta cctgaagtct ttgacattt tatgaanttc tggtaaacct a 651

<210> 1149

<211> 699

<212> DNA

<213> Homo sapiens

<400> 1149

atgatagtga gtggccctgt aagatcctag tggcctctg gaatcataaa ggaagattca 60
 gttatgtaca agatggctt ggttaggt caactgattg tggctgatt atttagaaat 120
 tagtaatcac tgtactataa ggcaatttgg cagaaatggg aaaggtagg ttagccagat 180
 ctcccattc cgcattcaca atccaaacaa tatgaactcc aatcaaattc tgatttata 240
 atttggtaa caaaattca ttcaaatata tgccitctt tgctgtgaac agagtttcc 300
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 atttatagc tccttgagtt gtgctggat ctctgtgctt cccttggag agtactaggc 420
 cttaggtta ggtatcatcc taacacttgg ccaaggtagt gaaggcctt gagcactgaa 480
 agaaaaccaa ggtaaaattt aaggaattgt tagaagattc atctgagaaa tgtagaattg 540
 taatccacaa actttatgtc cgtagaatag gaagtattt gtaagcagct agctgctaga 600
 agggattttt ntttttaaa aaaaaaaagaa aaagtctgtc tttgacattt gttatatcta 660
 ggntttatca tnccgttaa agggttctta agttccttg 699

<210> 1150

<211> 794

<212> DNA

<213> Homo sapiens

<400> 1150

cttaaccttct ctgaggctct gttagctcat ctgtaaatgg ggactttctt ctgccccaga 60
 ttatggtag gattagatgg cacaatctat gtgaaattgt gagagcacgt agtacagtgc 120
 ctggcacaca acagatttctc agtctatatg ccatgtcatt cctgcctatc attgttctt 180
 gcaagtgtag agtgaagacc tggccata catttcatg agccatcagc atccccatag 240
 ccaccgtctc tgcttatctc aggccccaaa gactctggct tttccctaa gagaaacctc 300
 ttacattt tctcaacctc agtgtaaaat ataagaatgc aaaaaaggtt agctattaga 360
 tgatagaact caaacgtatgg taatactaaa ctgttaaggg ttcacacaga ggttaaatg 420
 cacataccat tgggtacagc tggcgctt cagagaactt atcctgtagg tatagtttaga 480

catgcatgca aagaccacataaaaggatgttcattgaaa cataattata atagcaaaaa 540
 gtagggag agaaacagta actgcctatc agtaggagac tagttaactc aattatggtc 600
 tatccacata gaggaatatt acgcaacttg ggaaaacttg agatagatcc aagctatatt 660
 ggtcagttaa aactcagaga gcaaaattat gtgttaata tgccaagatt ttcaacaaat 720
 tcctggttgg gggagaaaan ctgtantagg agacaagaaa aacccgggtt tangtata 780
 ggccacttgg attc 794

<210> 1151

<211> 712

<212> DNA

<213> Homo sapiens

<400> 1151

gaagaatgtg ataaaggaca ttagtattag agaaaaatgt tgttcaatg taaaatgtgc 60
 tgaagctgat aatactgtgg tttataaga gaataaccat attcttagga aataatctaa 120
 gaagtgttta agaataaaagg accatgattc tactgtgtat tggtcaaaaa aaagattgtg 180
 tgtgtgtgtg tgtgtgtgtg tgttagaaaga ggtaataaaa gcaaacagta aaatggtac 240
 agtaggtgaa taggtaaatc tggtaaaag tataatggtgtt attcttgc ctattctgt 300
 gactgttgc taaggtttaa attatttcca aataaaaatt ttaaacaatt tttaagttt 360
 aaaaagttaa aatatagcac atctcaagaa tttcttagt caaccaatta taacagacca 420
 tactcttagga tcatcagttt tggattattt ccttgcattt gttgatgaag cactaaactg 480
 aaagcaatag gaaattttct ttatagctgt agtttctacc tattgaaggc cattagcttc 540
 tattaggaga ttgtattgaa ttggatacat ttatccc caaacaaaaac aaagtctcta 600
 atttcactt gtacttctag ctagatgaaa gagagaaaagt ggccatgtgc cgtggctcac 660
 acctgttaatc ccagcacttt gggangccaa ngtgggtgga tcaccctgan gg 712

<210> 1152

<211> 807

<212> DNA

<213> Homo sapiens

<400> 1152

ctttaccact ctaattttt ttgtttgag taaatgagag caggccttct cagaggcagc 60
 tgacatcaga cagagacttc cttgcggcc tctctggttc tttcccttc ttccccgtag 120
 ctggtatttg tagtgacacc tgggagccac agatttgctt agcaaccttt ctccagggtg 180
 aacagggtat tcacaactcc tgaaccaagg cgtgtggctg gtatcattt gtggggccag 240
 aacgcattgc gtggagaaat tcagtgtatga cctggtcccc acgcctgctg ctcaaggccc 300
 catcaccctc gtgactgtca gtggtgctgc ttcccacgtc tcctaagagg gcttcaggag 360
 aacgtagaac gaggtatctg tctttcctt tcggacctgg ccttccatt tggccatatg 420
 tcagaatttc cagctgccct aggggcccag gaatctgtat tttagttgtt ttccaaataa 480
 ttctgctgcc cagctgtatt tggagactat agccttaaat cagtgttcc ccgtcagtgg 540
 tgactcatga agagcttaga tgtggcctg gtgtgtggtt ggtggcaagg ggagtcttcc 600
 agatcccttc tgcttggtgc tgnntggggc aggaaccgtg catgttatgg tggctcangc 660
 ctaatcccat ctgggtgggc atctcgctg tctggaaaac aggtcccgga gccatgcaca 720
 ccaagcttct aaggaaggca naaaagcact tcccactt aacaaagaca ttttggaaagg 780
 tggacntctg gcccttaan cacctca 807

<210> 1153

<211> 820

<212> DNA

<213> Homo sapiens

<400> 1153

gaaaaacaaa aagaatctt gtttacccc gaaagagagg cagaggcaga aagtcttctt 60
 ctgcttttg catctctaag aggctgaaaa agagaatgga agtgctgggg cattttggcc 120
 agggcagtaa tggatatttg gagttggcac ttccctcagc tagaggagtc tcagtgtgtc 180
 tgagaaaatg gcagtcagcc atccaggatt ttaggagcaa cgccactgct ctgtgccaca 240
 tcagaaaatca ggcatggccc caacctgaag gaacttgtag cttaatgggg aagcacacca 300

agaataaaag agcctccaga acatgtggtg cctgtggtcc tgagacagca ggaaatggct 360
 ctcaggccag agttgctgga agaacccatg tggcaggatc ggtgggaggc agttacagag 420
 ggaaacgccc atcccagcaa cttagggagg ccgccactcc tctcgtggat ggatgatatt 480
 cttgcttggg gatgttgaga cagctgcact ctgcatagtt cctgatttgc ctctctactg 540
 ctgatgaaaaa acctctctt ctctatagct gctgcttata ttgaaaggct tttggttatt 600
 cagcacactc actcctgagc ttatttcagt gatattcctt ggttatttgc aaacatggat 660
 gcttgtggca gatggagagc ctgggtgtca cagatctgn c tgggttggaa atgcatacca 720
 tttgnccgt tggttgatttgg attgacttgg accacgaaag aaaantttac tgacagctt 780
 caaggttaggg ggcaattgtt gcttnttgc aaatgttgc 820

<210> 1154

<211> 760

<212> DNA

<213> Homo sapiens

<400> 1154

atagactaaa agcaaagaca tggaaacaga tatttaatgt aaatggaaaa caaaagagag 60
 caggagtggc aatatttata acagacaaaa tagatcttaa gtaaaaaaac tgtaaaaatg 120
 gataaaaatt gtcatttat agtgataaaag gggtaagta atcaaaagga tatgacaact 180
 ttatttcaga cattttagaga gaaggatgtt acaactgtaa atatatacac ccccaacact 240
 ggagctccta aatatatgaa gcaaataat acaactgtt agagaaagac agattgcaat 300
 atgataatag caggagaatt tcaaacccta tttcaataa tgaacagatc atccagacaa 360
 aaaatcaata aggaaacatt ggacttgaac tacacattt accatgggtt tccaatctt 420
 tggcttcctt gggcaacatt ggaagaagaa gaattgtctt gagccacata taaaatacac 480
 taacaatagc tgataagcta aaagaaaaaa aaatctcata atgtttttaggaaagtttacg 540
 aatttggttt gggcacatt caaagccatc ctggccgca tgtagcccat gggccatggg 600
 ttggacaagc ttgttttaga ccaaataggac ctgaatgaca tatataggac aatataatcca 660
 accccactaa aatacacatt cctctcaagt atacacacag aacatattcc agaatagata 720
 tgtaggcca caaaacaagt cttaaaaaat gtatccnnn 760

<210> 1155

<211> 871

<212> DNA

<213> Homo sapiens

<400> 1155

tgattgttaag ccataggatc cccat~~t~~tcag aatggatcct tccccataacc cagaaggaag 60
 aaatgc~~t~~ca gagagagtcc ccaagaggaa tctaaataga taggccttgc tgggatttcc 120
 cctccatcta taaacattgg ctcatatcct ttgtgtccaa ttatatttct acacagctgt 180
 tcataacttgg ctgaacctat gcagaaaaat gaacagcttc tcctgtgtct tgggc~~t~~ca 240
 ttctgaaggc tttctgtcg cataaaatta tggtaaata aattt~~g~~taag cattttatcc 300
 tattaaatttgc tgtcttgc~~a~~ gttgattttc agcaa~~a~~c~~t~~t cagagggtga aagggaagtt 360
 ttccattgcc ccaacaggaa taaatagccc tagtagtgct ttgaacctat ctaataagtt 420
 ataaaagaaa accagaaggg accaaactgt aaccaagtaa ctgaactttt cagatgactc 480
 agaataacta cagaggtaaa ccctactggg ccataaaaca aatctcaata aattttaaaat 540
 gatccaaatt catacaaata tattctcaga ccacaatgga aataatgtaa aatttagtaac 600
 agaaagat~~at~~ ttgaaaaat tccttaaata tttgaaaacc aactataaca cacttctaaa 660
 taacccatgg gtcaaataag gaatcaaaaa tggaaaataa aaagtagttt gaactaaatc 720
 aaatggat~~at~~ acaacataat cagactttgt gagatgctgc taaagcagta ctttggggga 780
 aattttagca ctaaagctt~~a~~ tattggaaat gaattaagat ctctaattag ganctagctt 840
 tcactntaag caaccn~~g~~gaag ataagtccaa t 871

<210> 1156

<211> 872

<212> DNA

<213> Homo sapiens

<400> 1156

agaaggaaag ttcctcaaca taacagaagc catttatgaa aaatctacag ctgatggagg 60
 aatatttcc aagcaaatgg aaagcaaaaa aaaaaccagg gattgcaatc ttagtctctg 120
 ataaaacaga cttaaacca acaaagatca aaagagacaa gggcattaca taatggtaaa 180
 aggatcaaag caacaaaaag agctaactat cctaaatata tgtgcattcca atacaggagg 240
 acccagttc ataaaaaaaaag ttcttagaga cctacaaaga gacttagact cccacacaat 300
 aatagtggga gactttaaca acccggtgc aatattagac agatcaataa gacagaaaaat 360
 tgacaaggat atccaggact tgaactcagc tctggaccaa gcagacctaa tagacatcta 420
 cagaaccctc caccccaaat caacaaaaca tacactttc tcagcaccac aatgcactta 480
 ttctaaaact gaccacttaa ttggaagtaa agcactcctt agcaaatgca gaataaggaa 540
 aatcataaca aatagtctct cagaccacag tgcaatcaa tttagaactca ggattaagaa 600
 actcaactcaa aaccacacaa ctacatggaa actgaacaac ctgctcctga atgactactg 660
 ggtaaataac gaaatgaagg cagagataaa gatgttctt gaaaccaatg agaacaaaga 720
 cagagcatat cagacctntg ggacacattt aaagcactgt gttagaaggaa atttatagcc 780
 taaatgcccc caagagaagg ccgagaagat ctaaaatcga ccacttacat ccaatttaaa 840
 gactngagaa gccaggagcg accaattcca aa 872

<210> 1157

<211> 854

<212> DNA

<213> Homo sapiens

<400> 1157

aaacaactat gatgctaatt aggaggagga agaatgtttt caaagtcttt caccaggtat 60
 cgatattcat ctcaaagagt ttgaacaaca gattcaattc tgtgttaggaa ccatttcttc 120
 atttattctt tattcctact aaatcagaaaa taccaaattc ataagtctt tggaagggtt 180
 acaaatgttc gatggtttgt caactagtct tgacaaacgg attctacaat gtacagaaat 240
 tatggagaca gtttcactg atagatgttc agtgccctaa aggaaactca ttaagatgag 300
 ggaatggcct ctcaaatgga acaggattgc tgaatatac aacacaaaaag atcaacttagca 360
 aatggattcc taatgaattc ctggttgaat ttgcctccga taattatgtt ttcattttca 420

gttttagcat tcagatgtgt taaaatatggc caataatagc actgatttat ttccctcctt 480
 aatttagaat atcttaagt agttagaagg aaacccttgt taactaatcc attgacatca 540
 aaatttaact tttaaggaa ctttgctgt ctctcactaa atattagaaa tgatgatatg 600
 ttgttcgtga agtcataaag tcaggcttct ccactctctg ntgatttt atgtgtatgt 660
 gctgctcata aaaatcatca cactggtaga gattcttggc ctcacaatgc agattcacag 720
 tgnatttct cctgaaactt gtatttctt tggaccttta tgccaatgat atataanttg 780
 cagactattt catgncttac tactttaca tctccgatgg ataatggtgc ancattaatt 840
 catttggggg aagt 854

<210> 1158

<211> 858

<212> DNA

<213> Homo sapiens

<400> 1158

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 ttattgggtt acagggttag gtctggaaga cctggaaagg aaactcactt tttggtttg 120
 acagtattaa tgcaatcatc tagttcatac cttgttaagcc cacttattat ttccctctgcg 180
 tgtgtttttt ctggtttagc ggatttagctg cactgtctt tcaaaggctg tccaatcaag 240
 gaggggttat taaaaccagg gcgatttatg actgagaatt aatttagagaa gcattttcat 300
 gcacaacatc caatttttt attagcaatg gagcaggccc gcaattaaca ctcgaggaag 360
 cttaaatttc cagcttttg atttcagga aatgagatta tcaaaccagg gtcagacact 420
 tgacagcaaa gtgggagtgg gggagtgta aattatatgt aaaaaaaaaa aaaaaaaaaa 480
 aaaattccag agtctagaaa ttccgtcatt ttctcttta tgtaatggta agaattaaga 540
 atcctcacat ctgcaaccaa aaatacaagc ctgggtgtta acactaaagg gtaaaacagg 600
 gatagatata agctgttatg ctattcttca ggcaacactg tggataagt acattcanat 660
 gtttactgta aagaaaaatt tgaatcattt gnattgaang gcttttagaa aagagcatta 720
 ctacccagaa ctgagaagtt gaaaatttga aggtgtgaag attaagagac gcgttacttt 780
 aaaagataat taaaaggta tcttccagg cttgacccgg nggnccactt cttntagcct 840

taacactttg gggaggt

858

<210> 1159

<211> 841

<212> DNA

<213> Homo sapiens

<400> 1159

gcaaaagt aa tttatcaga aacagttt at tttggggct ggataacttg ggtgagagt 60
 tgggaaaga agtaccttac caaaaaggag aagcaactga ccctgtggcc tgagccacat 120
 tgtcttccat ttcaacttca atgggctggc agtataccac ttctgacctc aaagaatgaa 180
 tggttccaat tctggcttgt cattggcctt tgttatctaa attaaatatt ttttaggaaat 240
 atatcaaaag tatccttagag ccccatggca aagtgcaga ggaaatagtt ttcattatat 300
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 taagaatgct ttcttatgtg gtaaatgtct cagtatttg ctgcctggta tttggtcagt 720
 ttcccttggat atctcaaggt cagaaggaat cangcttct ccactctgaa acattcagac 780
 ttactttctt tttgggcag ccntttaaca agcaaggaca ntaactccctt ttgtcagaat 840
 c 841

<210> 1160

<211> 725

<212> DNA

<213> Homo sapiens

<400> 1160

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 agggggccat catatttatt taaaattcct tcaataattc aagcttattc aagctgcgag 120
 acttgcttaa agataagtga aatatctaatacacaaggaa gtcgttttc aaactatata 180
 aacaataaca ggagtctataa cagttgtttt cttagaactg aatacctaaccattctgcag 240
 ctcttcctc ggtatTTAT tataaggcaga ttatatctta attgttcccc tttgtttca 300
 aaggTTTTC tttctttgc gtgaatcagt ttatataaaa acatatatat tcttattttc 360
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 agaaccttac aaagccacag cactttatgttgc gttgcaaagc accctctcca taaaaattgg 480
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 atttcttgct catgcttagat ttgatgttagc ttcctgttg gcatcactt tttctgagta 600
 gtgactcctg gtcatggcgt gttcttatta tgtagctaca ctgattgcta cacggggctt 660
 ncatgccatg gatgaagtga gaaaagagag cctcaggatt cattagggtg nttdangct 720
 tacat 725

<210> 1161

<211> 804

<212> DNA

<213> Homo sapiens

<400> 1161

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 aatctttat cctcttgccc tcattggtat ctcatccca cttgggtcc cagccccctc 120
 tcctgttccc acaccacctg tcacatgcaa gggatgatgg ctgtctgctc ctgggtctat 180
 gctttgttga agaaggatgc tgtggaggga gcataatccaa gctctaaagt ggcattctct 240
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 cctttatcg tctctttctc ctctggccct ttgcctggct tcaagtggcc ggtcttagtg 360
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gcattctgaa actattctgt cttagcttggg tagatgagat gagtcagcca agtcagacg	540
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cttggccct tggtcacatc ctatthaagg gtaaaaagagg ggtgccctac tttcccggtg	660
tctgaacctg ggggcgggtg aaggtagaa ccactgctc cgctgataacc caaccttgcc	720
tgcaaggatg tgtgccacaa cggggtgcta ggcctgancc cgccctgctgg ttttnctgct	780
gggccttcnt ccggaatccg ttcc	804

<210> 1162

<211> 861

<212> DNA

<213> Homo sapiens

<400> 1162

tcactttgg cctaaatcag ctctgcacc ttaggctgtt taaaaaatat gatgtcaatt	60
ggaaagcatc ccatttggtg ctgtttctac ttttttatt tgaagtatcc tgacgcagtt	120
gtttcttgtt gagtagacca tctgtcctaa atatatccaa taccagttt caaagtcttt	180
gtcaggtgca tcctgcatacg aagctaaata aatactttt taaataataa atagaggcga	240
gagatattt gaaggtacat cagtgggatt tgctgactga ttgagtaaga gagtttcat	300
agaggaaaag gagatagtag tcatcactgg agctaagatt tctgaccgt gtgcttcaac	360
atatattttta gattgaaat atgtaattt tgcagtagta aagataaaag ggaaaaattc	420
ccagtgcgc tcataattgg ctcgtgggtc tctcgtgctc tttgctgtgg caccatcagg	480
tgtctccgga ttctcaagct atcttctgc ctttgatgta tttcaggaac cttttattat	540
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ttatcccagc agcaccggcc ttgacacctcg ccatccccct ggcctggctt tgggaggccc	660
tgtcagccca tacctctgac tatgacgggg ttgcatgggg ctgcccgttg ctgtaaatct	720
gaagagcaag gccttagatgg ccctgttccc aagctttctg caaatctaca ttctantctg	780
gttgctaaaa ttctttatca tcagcccagg agtgctattc aggaggctgc ctaatnatat	840
attanccata aacctaacag c	861

<210> 1163

<211> 855

<212> DNA

<213> Homo sapiens

<400> 1163

ttaatagatt gaagatatta ttaaatacat tctgcattaa tattatatgt cctttgaa 60
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 agggcacagt acataagaat caaaatagaa cacaatgct gtaatcaa at gcagacccca 180
 ggaaggctga taaaaaggc atgttgctac taagaacagc cgacaggta agtatagtgg 240
 gtcatagcag aaaagccagc agaacagaag ggcaaactaa aataaaatgg acttgcctgc 300
 ctgaatcaca cggacttatg acattcctt gtcttcatct cttttgaac tcaggaattg 360
 cagggagag ggggtgtgc atgtgtttg gagagagaaa ctaaacatag ggtcattaaa 420
 ttatcctca gtactcacgc atagcacaaa caaaaggaaa tcataaggat aaccacctgc 480
 agctggcaga gatgcctaca gtgtgattgt gagacaaccc aacatggctt gcttgctgg 540
 ataccactgg cttaagaaa acacaactgt gagtaacaa gtagaccct tccataatag 600
 tgagaacaga tagtgctgat ggccagacat aggtaaaaac ggtatgaatgg tgagaaagat 660
 gttctgttgt cctgacctca gtatagtcta ctctctacag gactctcaccattag 720
 ctttctgct ctcagcctct cacaaccacg ctccctgcta atggcaggtg tttngggtt 780
 tttaactctc ctgttaattat tccgcaaaag cacctggcc cttcttaagg gaattaaggc 840
 aaaagttngg ggang 855

<210> 1164

<211> 876

<212> DNA

<213> Homo sapiens

<400> 1164

ttcagattgc aaagttatat aagaaatttc acaaagggaa aaacacaaaa ctggtacaac 60

taagtgactg ggaaagatataaaatcatgt agactcaactt cacccacaaa atggtaactc 120
 ctgaattaaa cttcatgtgt ttatattagg ctttgtcaag ttagctatgg ttgtattaaa 180
 gcagattgtt tgatttgat aaatagttt ccttaataaca tggaaaatc gagttgtgtg 240
 aataaagaaa tataaaatag ctttactca gttgtcccat ttgtcagcat tgatggtaa 300
 taaagattag tgtaactttt tcctctctag tgttagatatt ttctcaaaat tgggtttg 360
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 gtacaataca cgagatgaag cagttaaata gcaaagcaag acagaagggt cagagaatta 540
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 aaacagcacc tgcctataaa ttataaccct aaatggttt nggataagaa aaaattgggt 780
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<210> 1165

<211> 743

<212> DNA

<213> Homo sapiens

<400> 1165

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 ctgtttaaag gccttaggaca ttccagttct cctcaactcag ttgggtgaac aaggacatgc 180
 ccatgtcaag tacagtaccc catgagacac tggctgagtg gggttatgtg tcatttccca 240
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tgttagctgac aattgatgg tctctctgaa cagcgctta gggtggc ttccccccac 540
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 gactcactgc agccttgaat actgggctca agccatccta tcccctctna cctcagcctt 660
 ccaagtagct gggactacag gtgcacacca ctgnactcag ctaatttta aatttttgt 720
 anagataggg tctcactttg gtg 743

<210> 1166

<211> 861

<212> DNA

<213> Homo sapiens

<400> 1166

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 ctcagtcctc ttctcttct cattccagtc tagacttttgc acttactctt tgaggactta 780
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 tgctttaaaa ggnttttan g 861

<210> 1167

<211> 817

<212> DNA

<213> Homo sapiens

<400> 1167

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 ctcgttaccc aatactttct tccctttcct tttataaaaa cactgcatac ggttttttgt 480
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 aaatgaatat aaagttgata tcattctctg accaattaaa acattcttt cagatattgg 720
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<210> 1168

<211> 872

<212> DNA

<213> Homo sapiens

<400> 1168

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 agacggccctc ggcttacttc tcttccttct ctccttaatg acattaacag ccatcacagc 180

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 gaagggaagc attactgggt tactatgcac ttgcgactga tttcttgct ttttatcatt 360
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 aatgtaaaaag tggattttac ttacaccttg gaaaggcctt tgacaattgc ccagaagggt 720
 tggaagccaa caaccatact atggagtgtg cantattng cctgtgaagt cagtgaatgg 780
 aatccttgga gtccatgccc caagaaggga aaaacatgtg gcttcaaaat agggactgaa 840
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<210> 1169

<211> 679

<212> DNA

<213> Homo sapiens

<400> 1169

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 cttagtctcc ttagtagctg gaccacaccc agctaattt ttgtgtattt ttagtagggaa 180
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 gaatgaatga gagtttagctg gtgaaaaaaaaaaaaa aagccagtgc agattgagag 480
 acctggccat agaaaattac aacgctcagg gataaggat ggcaaggaac gttttttgtt 540
 ttttgnnnnnn ttttcgctt tattgcccag gctggagttc agtggatgtg tctcggnca 600

ctgcaatctc cacctccag gttcaagcna ttctcctgcg tcagcctccg agtagctggg 660
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<210> 1170

<211> 763

<212> DNA

<213> Homo sapiens

<400> 1170

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 ccaccgtgt tcacccgcct gagggctctgg agcagctgca ggagcaaacc aaattcacgc 180
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 ccccaaggga acacgtggag agttttcc agaagatgga cagaaacaag gatgggtgtgg 600
 tgaccattga ggaatttatt gagttttgtc aaaaggatga gaacatcatg aggtccatgc 660
 agctcttta caatgtcata taaccccan gaaaagggt caatgttcc tggggggacc 720
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<210> 1171

<211> 897

<212> DNA

<213> Homo sapiens

<400> 1171

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aaaggccttg	aactctttc	actgttccta	ttcagagata	tttggatt	atatgactgg	180
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ccacgtttt	taagatttct	tccagatgga	ggaaaggaag	tgctgtccat	gcaccagatt	300
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cttcagtggg	aggagctgga	gtggcagaaa	tatgcagaag	aatgcaaagg	catgattgtt	420
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ctcctagcaa	atagtcccaa	agtcaaacaa	actgacaaac	agaagctggc	acagagggag	660
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cctgtctgac	ccatcatatc	cgttccacca	atgcctaattg	catttggac	aagttatgatag	840
gatatacttt	tcaagaaccg	ttgctggtgc	aactggccat	gactcatcca	agtcatn	897

<210> 1172

<211> 728

<212> DNA

<213> Homo sapiens

<400> 1172

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attacgtga	ataaaactat	acaatgtgaa	caaatttaca	aacatttattt	tgagcacaga	180
aattcagcaa	gaaagaatat	atactgtgtg	atgatatata	aatgatccca	cttacgtaa	240
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ggaaacaggt	gggcagatca	cttgacatca	ggagttcaag	accagcctgg	ccaacatgg	360
aaaatctctt	ctctactaaa	aatacaaaaa	ttagccaggc	atggtggcac	acgcctgttag	420

tcacagctac ttgggaggct gaggcaggag aactgcttga acccgggagg cagagttgc 480
 agtgagctga tatcacacca ctgcattcca gcctggcaa cagagggaga ctccatctca 540
 aaaaaaaaaa annnaaaaaa aaaaggcaag cgaaactaaa ccatagttt agaagactgt 600
 atagtaaata aattgggagt agtttgggg aaggaacctg agcttggctt ttggatgat 660
 gataatgncc tatgcatgat ggtgatgtat tataatggac tatgtgttaa tgatgnatac 720
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<210> 1173

<211> 757

<212> DNA

<213> Homo sapiens

<400> 1173

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<210> 1174

<211> 797

<212> DNA

<213> Homo sapiens

<400> 1174

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cagccacctc ttgcacaacc ccgccacggc cttcttcct gtcttcatgg ccctctggc	180
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cacgggctt gaagaggaag aggaggctgt caaggatcat cctagagctg aatacgaagc	300
cagagtctt gagaagtctc tgaagaaaga gtccagaaac aaagagactg acaaagtgaa	360
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cacccgggtc atcatcaacc tagtgtcat catcccttg gacgagggtgt atggctgcat	600
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gatcttcaag gcttcctgc tgaagttgn gaattctac accccatct ttacgtggc	720
gttcttcaaa ggccggnttg ntggacccccc gggcgactac gtgacattt ccgtccttcc	780
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<210> 1175

<211> 694

<212> DNA

<213> Homo sapiens

<400> 1175

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tcactacttgc cctcaagagg agcttgcctt atgctaataa agattctata acattggcca	180
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<210> 1176

<211> 749

<212> DNA

<213> Homo sapiens

<400> 1176

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catgctggaa ctgtgtatgg aggagtgtatg tatatttcag gaggaattac tcatactact 180
ttccaaaagg agctcatgtg cttgaccct gatactgaca aatggatcca gaaggcgcca 240
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gaaaccacac catcaccttc tanagagtcc ctctttctgc accttaagat catctctaca 660
actaagatgc tgttagttcta tcttgcaat gngtcataaa ttctcttctt ttcccttaa 720
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210 <210> 1177

<211> 706

<212> DNA

<213> Homo sapiens

<400> 1177

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atggtggttg gctggtgagg cccagctgag ggcagggttg gtcggccagg actggaaaca 180
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atgttaggtg gatgcctcan ttgaattcag tcttcttatt gggtaagant aagctttgtt 660
cacagaacta cttaaccacc ttactgagt cccatggntc actgca 706

〈210〉 1178

〈211〉 611

〈212〉 DNA

<213> Homo sapiens

〈400〉 1178

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 cgctctggga a 611

<210> 1179

<211> 590

<212> DNA

<213> Homo sapiens

<400> 1179

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 gcagctgccat tcggcccgct ttgcttcgtc ctggcagatg cccagtgttgc tgcccgagc 240
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<210> 1180

<211> 742

<212> DNA

<213> Homo sapiens

<400> 1180

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 gatgtAACCC catcataagt caaagagcat ctgtAAAGAC aaagtacttt agaaaaaaat 180
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<210> 1181

<211> 671

<212> DNA

<213> Homo sapiens

<400> 1181

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 ggaggagccg tgggttgaag accgggagag acctgagttc caggcagtgc agaggggacc 420

ccggccaggg gcaaggaagt ctgcagaccc caagagacct tgtgatcatc cagcttggc 480
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 cttcaggctg gacacggatg acggcagct tccagagctg ctccagaaag gacagacgcc 600
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<210> 1182

<211> 647

<212> DNA

<213> Homo sapiens

<400> 1182

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 aggatagagt gtgtgcatca tattttttt tttttttttt tcacaaaattt gagttaaatc 180
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 gcttcattcc tatggaaagac ataattcaga acagaaaaact tgtaacagca gcatttgcc 420
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 gcctttagat aggtactgtt tcaagtaatt aaccctgtt attctcaaca atgggtccat 540
 aatagccta cctgaacatt aactccctt atttgcggcc attactccca gagattccgg 600
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<210> 1183

<211> 756

<212> DNA

<213> Homo sapiens

<400> 1183

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 aaagaaaaaa aaaagccagg ttgggtggtg cacacctgta gtcccagcta ctctggaggc 180
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 gtgttatttc cactaataac gacgtttcct cctctgtcct tcgcagaacc aaatctgttt 480
 cttccatgtc tgagttgaa agcttgctcg actgttcccc ttaccttgc ggcggagatg 540
 cccggggcaa gaagctgcct aacaaccctg cctttggctt tgtgagctcc gagccagggg 600
 atccagagaa agacaccaag gagaaaccctg ggctctcg tc gagggactgc aaccacctgg 660
 gtgccctgcc tgccaggacc cccaaggagc agatgcangc aattcacggt tctgcaagac 720
 ggcatccant ctactatatac cggggggccc gngcct 756

<210> 1184

<211> 735

<212> DNA

<213> Homo sapiens

<400> 1184

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 atagagatag atctctcttt cccttacctt cctgttagcac tttgttatct atacctctca 180
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 ggcacgaatt agaagtaata agtaatgcac gagataacag aatcaaaaac tagacaatt 600
 agaaataagt aaataacatt taacagggat aactacaaa ttaagatTTT aaaagaacag 660
 gtacccaatt tcagtatgga aagacatggc taacatcang gtttaattgg ctgctanact 720
 gacatgagcc canag 735

<210> 1185

<211> 752

<212> DNA

<213> Homo sapiens

<400> 1185

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 cagctgtgtg accctgagca aattttact tgactttct gaggcctgttt tctttctgt 180
 taaatgagct gtaataacta actcatggag ctgctctgaa gaagaaatga gcaaatgcac 240
 gcacaaagca ctttgcacag tgcccagcct gtgcacgacg ggacctcagt agataatcat 300
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 gcacacagtg taaaataagg taggaaataa tcagatgcaa aaccctggga tgtccagaga 660
 tgccagggcg aagtaagtga aaccagatcc tggctttaaa atcctgnaat gcattccca 720
 gagatgctgt cgggttnccct nccattccca ga 752

<210> 1186

<211> 862

<212> DNA

213 Homo sapiens

<400> 1186

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cgtggaaatc aagaaaggaa agtgtgtcaa ggaggagtat tcactttgt taaatacttc	180
cgagacattc aataagaat gctaacaactg ttttgtata aacaactgaa attaattta	240
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tccagtttc acaatgacca taaagtaaaa ggggtcccc agaccacccc aggcttagatg	480
atttgctggg aggactcaca ggactcaata tgTTAGTCAT actcacaagt aagattact	540
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<210> 1187

211 <211> 801

<212> DNA

<213> Homo sapiens

〈400〉 1187

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agtttatcttt ctgagactgt cagtttaag ctatttaaa acagcattac ctttacttta 120
gcaatacttc atttcttctt gtattcccta gcttataaag aatttaattt cattttaaa 180
ataaggtaatt ccgttaggatg atgttgaaat acatctgcat tagcaacacc ggcatactgc 240

acaatagagt ttaatttata tcatgatgac tacatatttgc aatcagactc gagaaacata 300
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 tatttggac ctcacaacgg ccacccataat gcaccagatt ccatgccatt cagggattgt 480
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 agaaaaaacac tatttgctga taaaagaggt tttgccaatg gctaacaactg ctttatgcca 660
 gggtacagta tacttgcggc atttgtatca ngtaaaaag ccggactggg tattntaat 720
 tcctcattag agaaattaat ttaagataaa aatgaactca taatcaaang gtcatctcat 780
 ccttacatct tggaaanggc t 801

<210> 1188

<211> 796

<212> DNA

<213> Homo sapiens

<400> 1188

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 gctgtacgccc ctgggtgcgc aaacgcagcg ctactccggc gtgctggatg ctgtgatcg 180
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 cagcttgcgtt cccagccatg ctggctggac ccccccggcag gcttccatgt catcgatgcc 720

ttgtccccgn cccangcaat aagaccagtc acttggctgg cttttcttg aagaaccaag 780
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<210> 1189

<211> 847

<212> DNA

<213> Homo sapiens

<400> 1189

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 ctcccagta gctgggatta caggcgcatg ccaccacacc cagctaattt ttgttttgc 180
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 catccaagct ttgtccattt atagagcaca ggtagaatac agntagcatg attcctaang 720
 cctgtaggat tttcagaata gtaaataagc cttgggcttc aattaaaaa ggtactagct 780
 gcatttggct ctaacaaggg tcaacctgtc ctggggagct ttgaaccnngn catggcttct 840
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<210> 1190

<211> 814

<212> DNA

<213> Homo sapiens

<400> 1190

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 aattaaaaaa tactatattg ctaaaagatg ctaccaatca tcgctgagcc ttcaagtgagt 180
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 agggttttac ccacagtaaa tcttcttca aaattggagt tgatcctctc gaatcctgct 420
 gctgccttat caacaaagtt tatagaattt tctaaaccct ttgttgtcat ttcaacaaat 480
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 cataagaagc aactgctcat tcattgaagt tttatcatga gactgcagca agtcaggcac 600
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 ttcctctgaa gtcttgaacc cctcaaagtt attcatgagg gttaaaatca acttcttnca 720
 aacttctggtaatggtgcta ttttacttcc tcccatgaat catctattat taataataat 780
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<210> 1191

<211> 857

<212> DNA

<213> Homo sapiens

<400> 1191

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 aggtggttac tacatatcta ctggctcaca taattcaaaa cagagtcatg cagctcctat 180
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tcctagcccc actgggtgatc tatttctgtg cctccgcagt gacgccagtt gtcctagcaa 420
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 tctcaaagca tcttgatggc atcagtttt ctggaaat aaggtaang gtttgcttgg 780
 ttaatcanca ctggcattgc aaaagttgga gaccttgata aaatgttgg gaaggaatca 840
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<210> 1192

<211> 763

<212> DNA

<213> Homo sapiens

<400> 1192

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<210> 1193

<211> 694

<212> DNA

<213> Homo sapiens

<400> 1193

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 atttttagat attaaaagta tttaaaactg aaatgatgac tcatacgatgg atataagaaa 180
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 ttgcctaaat gatatctaa aataatctcc agtcattta ataactgcct tcactaaatt 660
 nttattaatg gttntgnntt aagtttaag ctct 694

<210> 1194

<211> 820

<212> DNA

<213> Homo sapiens

<400> 1194

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 ataacagaat agatttagtc aaatactata ttgcgaaagg tgctattgtg gatcaacttg 180

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ctgtgcaact	aatgaaatat	ggtgcagatc	cttcattaaat	tgtggagaa	ggatgttagct	300
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gaatatcaan	ggcgaatca	acgcttgatt	ttggcaaaac	agagaaaaaa	tgtgtnggat	780
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<210> 1195

<211> 781

<212> DNA

<213> Homo sapiens

<400> 1195

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cagaattgca	gataaaggat	tgtggaccca	taattttctc	ctgttttgc	ctggcggtag	180
ttaacttgt	ggaccatcaa	aaaaatatgt	ttgagagagg	acccttatca	cctctttgt	240
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cctggctcac cggttgctt ttcacgttt catcgcttat ttggctcatg gcacaatccc 720
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<210> 1196

<211> 902

<212> DNA

<213> Homo sapiens

<400> 1196

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 tcccactacc attaacactg gcagaggta c tgagttttag ggtgcagtca tagctctgtt 180
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 ccacccgcaac tgcgttgcg gnttgcatt tggccctg tcaatgctgg cttgatttct 840
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 tt 902

<210> 1197

<211> 820

<212> DNA

<213> Homo sapiens

<400> 1197

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 aggnctaca cattagcagg gactctgnaa ttgggtgctg 820

<210> 1198

<211> 824

<212> DNA

<213> Homo sapiens ..

<400> 1198

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 atcaaatgac atatTTTattt gatttattgc agattcagtg catatgagcc aaattgttga 180
 gtgtgtttaaga gctatattgtt gtatTTTattt aaattaatat atagttgttgc tgccaaaata 240

tttgggctta tattgtaaat ggcaagtgtt gccttggtag ctgtcgaact ctatgagttt 300
 tgttttcc tgcttcctt tccccatgga gtgtgggaag cagtgcctca gagcaaagtc 360
 tcttgtttaa tgtatagtct accaagtact acag tacata atctgttcaa aatgtgttg 420
 agtgagctga tggagctaac taaaagggtca aaaattacat ccatcagcca tggttatgtg 480
 caagtccttg tagaagctt tattaaagtc atgctaaatc acaagaattg acatttgac 540
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 tatgccatca gtcgggtctc aaaagtattt taagtgcctc anatgtgtt tcccattata 660
 ttttgaaaac atgaaaaatg cttaatgca tgtatgtcca gcagtggnta cttgcattgg 720
 gtaatgggtt ttcaagaagt ctgggtctta acaaaatggt ttcccttatac tcaanggctc 780
 ttctggctct tttgggtggg ggncccttgn gaaccattcc ccct 824

<210> 1199

<211> 742

<212> DNA

<213> Homo sapiens

<400> 1199

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 ttcactggcc tttcaccaga cactgattat ggcgtcactg ttttggca gacaccaaatt 180
 ctcgagggac caggagtctc tggtaaagaa cataccagta agttttgag gaatctggaa 240
 agcttcata aggctttaga atagaatgct ctaggtaagg aagacttaag tgaatcctgt 300
 gcaggtacct ctccgtaggg gtagcaataa tggatggatg atggcagatt cctgaatgtg 360
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 agttgggtct actttgagga agggctaaag gagggagaga tggctctcg tggatggtg 480
 aattcatatt agtgcatttt actcatttga ccctatctga aggccttaca tttccctt 540
 agatctttat tttctgtac tggatggat gttgaatgac taccagtgcac atcaatttgg 600
 atgaaataaa atccccagca tgtcagtacc gatgacaatg ggtctcattt tgnacaactt 660
 gatttggat ccaggattt aattgtctt aaaattact ttctggata tcaaattgtgc 720

ccatggngng gttttataat ta

742

<210> 1200

<211> 746

<212> DNA

<213> Homo sapiens

<400> 1200

accgagaaga agatatttac cagtttgctt actgctaccc atatacatac actcgcttcc 60
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 gccagagtgt gcaacaacga aagcttgacc tcctgacgat aaccagccct gacaatctcc 180
 gggaaaggggc agagcagaag gtggtattca tcacaggacg agtccaccca gggaaacac 240
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 gtgtcctccg ggaataacctg gtcttcaaga tcgcaccaat gctcaattctt gatggagtct 360
 acctggcaa ttacaggtgt tctctgatgg gatttgcattt gatcgtcac tggctggatc 420
 cctctccatg ggtccatctt accctgcattt gacttgcac actcatgtc cagatgtaca 480
 acgacccaaa aacaaggctg gagtttata ttgacatcca tgcccactcc accatgtga 540
 atggcttcat gtatggcaac atcttgcattt atgaggaacg gttccagagg caggccattt 600
 ttcccaagct cctctgccatg aatgcgtgagg acttctncta ttccagcaca cccttaacc 660
 gggacgctgt gaaagcagga actggcccgcg ctccctcggt ggacttctgg accacacttt 720
 ctattgnnttc accctaaagn ctnctt 746

<210> 1201

<211> 740

<212> DNA

<213> Homo sapiens

<400> 1201

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taaagaccat tgtcaaaatc ttgggttac taaatatttc actgaggata tatagagata 120
 cgttgcttgt ggcataaaaaa gtcttgtaga taacttactc acattggct ttttttaat 180
 tggtcattt ttaattgc tttttgaaa attatgaatg taaaattaa ttctaaggta 240
 gtattttca tgtataaaac taataatgta gttaagcata ctgttgaat aaaattataa 300
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 aaaaaactag tggagaacat cttagaaaat tctattgtgg aaattacgat gattatttc 420
 agtgagaatg aatttatata tacaacaaaa atatacaaaa gctaacccttc tcattcctaaa 480
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 aacataaaatg atatttaact ttctttttt ttttttgag acagagtctc actccgtcac 600
 caggctggag tgcgggtggcg cgatctcagc tcactgcaac ctccattnc caggttcaag 660
 caattcttct gcctcagcct ccaagtagct gggattacag gcacgcgccca ncacgcccc 720
 taantttgg attttagta 740

<210> 1202

<211> 737

<212> DNA

<213> Homo sapiens

<400> 1202

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 ttttctcctc ctcggccacg gagttcagct tcaatgtgcc cttcatccca gtcacccagg 180
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 caactggatc ccaagatgtc tcgaatgcat ttccaccatc catttcgaag gctcaacctg 480
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 tccctccttc atattttggg aaccaacccc aaggaattcc ccaaccagga tacaatccat 600

atcgcatac ccctggcagc agcaggcata atccttacat tgcaccaccc cagctgcagc 660
 aatgcccac accangccct nctgctcatc cttcaacctt ctggaccccc ctggttcaaa 720
 atgtaccana tggccct 737

<210> 1203

<211> 834

<212> DNA

<213> Homo sapiens

<400> 1203

aacaattcat ttaaaaaaat acacatacac acacacacac acacacacac acacacacac 60
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 ccttagatttgc ttcttagggg gaaaatatgg ccgtgttgc ttctgatgtataaaaatct 180
 cagacattta tagtgctcta agccatagta agagaaaatat gagtgctatc aatacatgaa 240
 tatttccaaa ctcagttctc ccaactgcct caaaactaaa cactaattca ggaaatgcaa 300
 gcaataacat taaaatgtt ttcaaatgct tttagcttt aattctttt tgttttgct 360
 tcactaaaga cactctcatt tgtttgtca tccattgtatg taatttacac tttggtaaaa 420
 catatctcaa aggacttgc agatattgtt aaatactttt aacctatagt ctctaagata 480
 ggcatatgtt ttagataaaat gcaatataag taataactaa ccattgctgt aaataattca 540
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 tttaaaaaag caagaaaagac ggcggggcac ggcggatcat gcctgtaatc ccagcacttt 720
 gggangccga agcgggcgga tcacgaaggt caggagatcg agaccattct gggctaacat 780
 ggngaaaaccc cggtttact taaaattcc caaaaattta ncccgAACG ttnt 834

<210> 1204

<211> 844

<212> DNA

<213> Homo sapiens

<400> 1204

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 gctaccacgt tctgcggta caagaaaatt ccccaggaca cagagcttgt ttggagcctt 120
 tcttgattt tattgttct attaatggtt caagattaa taaagacaat gacactctta 180
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 tggagtgag cattcggttc tgcatgtttg atggggcaaa tgaaaatgtt tggcacgtgc 360
 tggaggtgga atcaaattct cctgcagcac tggcaggtct tagaccacac agtgattata 420
 taattggagc agatacagtc atgaatgagt ctgaagatct attcagccctt atcgaaacac 480
 atgaagcaaa accattgaaa ctgtatgtgt acaacacaga cactgataac tgcgagaag 540
 tgattattac accaaattct gcatgggtg gagaaggcag cctaggatgt ggcattggat 600
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 caggacaaat gggctggta acctattaca cctcttaaag atgggttac agangtccag 720
 ctgtcctcag ttaatcccc gcttgacc accaggaact acnggaattt gaacagaagt 780
 ctgtactgga ctttctatta ncttaacttc cccactgtc aataanttgtt ttaagacag 840
 gtgt 844

<210> 1205

<211> 568

<212> DNA

<213> Homo sapiens

<400> 1205

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 aaggcactgg agtgcatacg gacgggtgtc tggggcagag ccaggagggc ggcctttc 180
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tcctggatgg gctggatggg ctcccggtt cttcaccaat ggcagcgtta ccagcaccaa 360
 tggcagcgtt accagcaaga aggcnnaaggc aggagcacat cgaggggtggg agccaggcgt 420
 gtggggtcag gagtcccgtt ccttgcccg 8gaagcctgg ctcagccacc tccagcacac 480
 ttcggctttg nccagcataa aaggcagagc gacgnntca ctgcaggctg cttccaccag 540
 ggcaagtng acaggtcgaa gtgctgac 568

<210> 1206

<211> 806

<212> DNA

<213> Homo sapiens

<400> 1206

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 cccacactta gacatatcag tcaaaccgtt aaaagacaca gaatcttaa aggagcaaag 180
 aaaattggta catcacatgt aaggagtctc aataagatta gcaactgact tcttatcaga 240
 aaccatgaag gccagagggc aatggatga catattcaa gtgatgaaag aaagaactgt 300
 aaaccaagat ttctataatcc agcaaaactg ttattcaata atgaaaaat gagataccac 360
 ttcatttcta ctatgatgag tataatttt taaatcaaga cagaaaagtg ttggtaggaa 420
 tgaaaaagaaa ctggAACCTT cgtacatggc tgatggaaat gtaaaacgga gaagtcacta 480
 tggaaaacag ttggtagtt cctcaaaatc acagaagtac tatatgatcc aaggctggc 540
 acagtggctc acacctgtaa tcctaacact ttaagggcca aggtggaaag atcacttgag 600
 ctcaggagtt caagaccagc ttggacaaca tggcaaaacc ccatttcac aaaaaataca 660
 aaaattatcc aggtatggtg gtatgcacct atagtcccag ctactttgtg ggagctaatg 720
 caggaggatt gcttgagccc aggangtcaa ngctgcantg agccatgtc acaccacaag 780
 tgcttcagcc taagggatg accaaa 806

<210> 1207

<211> 843

<212> DNA

<213> Homo sapiens

<400> 1207

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 agccgagaga gacatgaggt gtctctgaag cccggtcgcc tgggccatga agaagatTTT 180
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 cctttgctc aggaagaatg gcttgaacga tagagacaag atgaacagga cggctctaca 420
 tttggcctgt gccaatggtc atccagaagt agtaactctc ctgggtggaca gaaaatgcca 480
 gctcaatgtc tgtgacaacg aaaacaggac agctctgtat aaggctgtac aatgccagga 540
 agagaaaatgt gcaactattc tgctagaaca tgggtgtat ccaaattttc cggatgtcca 600
 tggcaacact gctttcact atgctgtcta taatgaggac atatcagtag caacaaagct 660
 gctttgtat gatgcaaata ttgaagcaaa aaacaaggat gacctnacac cacttttact 720
 tgcagtaagt ggaaaaaaagc agcaaattgtt ggaattttta ataaagaaaa aagcaaattgt 780
 aaatgccnta nataagttgg aaagcagtca ccactaattt cagaattttt angaagaaaag 840
 gat 843

<210> 1208

<211> 794

<212> DNA

<213> Homo sapiens

<400> 1208

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 gattctactt cctaaaaacc ctgagcactt tgggtgtgc aacagatcaa acacgggttgt 180

cgtcatgaac atgcagaggc agattgttag aagcttcagt tctggtaaaa gagaagggtgg 240
 ggactttgtt tgctgtgccc tctctcccg tggtaatgg atctactgtg taggggagga 300
 ctttgctc tactgttca gtacagtcac tggcaaactg gagagaacct tgacagtgc 360
 cgagaaggat gtgattggta ttgcacatca ccctcatcag aacctgattt ctacctacag 420
 tgaagatgga ctccctaaagc tctggaaacc ataattcaac ttttctttt aaatcagctc 480
 gaaagcatgt acttaaatga agcatattca tgtaatgtgc tttttttt tttgccagc 540
 tttctaagc aaatagattt tctgaatttt tcacagaata attttgtgaa aattcatgtt 600
 taagtagcaa ctacccttc ttttttata tatttttaag gnatttagttt atcttcttct 660
 aactggtgca gtcacttaat ggttcatta atcttcgacc tgganaggaa aatactgata 720
 tttctagaaa aaaattctac tcctctgatt atttggaaatg ctgangggaa atgncccttc 780
 catagtaaaa ctg 794

<210> 1209

<211> 740

<212> DNA

<213> Homo sapiens

<400> 1209

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 agcagagcta ccaagcagtc aaagagaagt cctctgaagc cttggagttt atgaagcggg 120
 acctgacgga gtttacccag gtggtgcagc atgacacggc ctgtaccatc gcagccacgg 180
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 aaaccatcga ctgcgatgtc atcaccctga tggcacacc gtctggcaca gctgagccct 360
 atgatggcac caaggctcgc ctctatagcc tgcagtcggc cccagcaacc tactgtatg 420
 aaccagatgg gccccggaa ttgtttgacg cctggcttcc ccagttctgc ttggaggaga 480
 agaagggggaa gatctcagag ctcctttag gcagccctc catccgggcc ctctacacca 540
 agatggttcc agcagctgtt tccctttag aattctggca tcggatttc tataaagtcc 600
 atcagttaga gcaggaggcag gcccggaggg acgcctgaa gcagcggcgc gaacagagca 660

tctctgaaga gcccggctgg gaggaggagg aagaggagct catggcatt tcacccatat 720
 cttcaaaaga ngcaaangnt 740

<210> 1210

<211> 591

<212> DNA

<213> Homo sapiens

<400> 1210

tgtacattat gtatgataat gtatgcacat tttcttattt ttaacttcag ggccatatgt 60
 ggtgctgttg tcggagcagg taaaaagtct gagtgtgttt aatttgcctt acaaacatta 120
 ggctgggct tgtcaagtgg agtatagtga atgccaatct ttatattactc cttattgatt 180
 accccaaact ctaaacatct gcataccttgc tataaatttc cacttatgaa gctgaaattt 240
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 gtgacttcat gacgaggatg ggaagtatgc taattaacgg ctggctgccg gcgcctccc 480
 ctaaaatggg aaaatacata ttgggggtt atgatttgc ggcgacgttc aantgcgttgc 540
 tcacagattt gaaaaaggctt ttcatcaagc tggcttgc tgcctcgntt c 591

<210> 1211

<211> 721

<212> DNA

<213> Homo sapiens

<400> 1211

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 ctataacttgc ggctgcccattt aagagtgaga agtttgc tggaaaggcc tgcatgggcc 180

cttcttgaac tggcagca tgtgcagcat gacatcactc aagagttctt gtcagagtga 240
 taatgaatgt ctggctattg taaacggaa caagaaaact atttccagct gtgtgacaac 300
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 tctcagacga cgggaggagg ggcattttgg agcacgtgtt tggcatctgt gaacctttg 420
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 aactgaaaca gaattgcctt ttgttaaggg gatgcttgc cttcttgac tacnattgtg 660
 gggagaagga ttattgncaa ctaagtgagg cattcattct gtcccactat ttaatgnagt 720
 t 721

<210> 1212

<211> 714

<212> DNA

<213> Homo sapiens

<400> 1212

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 gataatatct gaattcattt ttcagtgtatg tagaaaaata tgaaaactta caaatgtcct 120
 taaaaggtgg agggtaggg ggtggaaagac aagcaggggg ttaggagata agtaagcagg 180
 ttctgagaaa attgagaata gagttgctga cctgagagtc atgggttttggatacagtt 240
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 gctagaatgt ggcagagcca gagaccatgt tttctgaat tctttaattt actaccttct 600
 gtactgctt tcttaattct gaaagtgaat ctactgntga cattaaactt gnatttgctt 660
 attgggttgta taatttgtaaacctgacacc atnaccaattttttggaa gtaa 714

<210> 1213

<211> 837

<212> DNA

<213> Homo sapiens

<400> 1213

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 gaaagcaatc tagtgctata tttctacctc ctcatttgc ttaatttattt ggtaagtggg 120
 attatgatga gtaactggag gggcttagaa acaaaaactg gatgaaagag tatgcatgaa 180
 gaaaagcttc ttgataaat gtggagttct tcattataaa tatatattca tgaattcaca 240
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 aaagtacctc ttcaaggctt gagaacatgg aaaagaattt agtgctttt aatactttt 360
 agaaagtaat cataaaagta aattgaattt caaacctatt tggcttctgt tttgtgaacc 420
 ttgaactat atgtatgtgt ataagggtat acacatacat atatggcata taacaagtgt 480
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 gtataggcta atttgaaga actcccataa gtttctgctg cttccat aactgctgcc 600
 accaccatca gaattcataa tcaaaccctaa ccttttgtt tggggcacca aatctgaaga 660
 caaaattaat ttgcaccagt aaacttcaag ctgcttttt tcttggaaac taacgtttaa 720
 cgtataatgc tgggtggatc tggtnccat ggtgatgctg tgggtaatgt gcttanagcc 780
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<210> 1214

<211> 849

<212> DNA

<213> Homo sapiens

<400> 1214

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tctcgtcccc tgctcatgtc tgactagcta cctactgttag cagcaccaca tctggccaat 120
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 cctcacctgg cctgagatgt ttgtgggggt ttgttttg ttttgtaaa ttagaaacag 300
 ggtctctcta tggggcaag gctggtcttg aacttctggg ctcaatcaat cctcccacct 360
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 tctaatttgtt aaaaattagg actgtgccct tgccattccc ttctttaaa ctgttaattc 480
 aattacttgg catgactggt ccttatatta taaaatatac taaatcaaaa atcatcataa 540
 taaaaggcgc tccttgagca actggacaaa aaaaggcagct gggcataaac actagtaaag 600
 tttaaacaat tgtatttggc aagtattccc caacgtataa acaattacca ctaaaaaaaaaa 660
 tctgtcagtt cattttgagt agtttatatta atccattcag ctattactgg nacatttgca 720
 actcaacctg gctaaatcat tcagaataga atcctactaa aaattatacc atcatgagat 780
 agtatccctgt antggaaaga cccaggctt agactanggt taagtatcaa gtnccaaatt 840
 attagggat 849

<210> 1215

<211> 831

<212> DNA

<213> Homo sapiens

<400> 1215

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<211> 814

<212> DNA

<213> Homo sapiens

<400> 1216

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<211> 858

<212> DNA

<213> Homo sapiens

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<211> 820

<212> DNA

<213> Homo sapiens

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